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HYDROGEOLOGY OF THE TOWN OF NORTH HEMPSTEAD, NASSAU COUNTY, LONG ISLAND, NEW YORK

By
Chabot Kilburn

U.S. Department of the Interior
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(in pocket)

CONVERSION FACTORS AND ABBREVIATIONS

Multiply U.S. Customary unit	By	To obtain Metric equivalent
	Length	
inch (in)	2.54	centimeter (cm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	Area	
square foot (ft^2)	0.0929	square meter (m^2)
square mile (mi^2)	2.590	square kilometer (km^2)
	Specific Combinations	
gallons per minute (gal/min)	0.06309	liters per second (L/s)
gallons per minute per foot [(gal/min)/ft]	0.207	liters per second per meter [(L/s)/m]

HYDROGEOLOGY OF THE TOWN OF NORTH HEMPSTEAD, NASSAU COUNTY, LONG ISLAND, NEW YORK

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ABSTRACT

The ground-water reservoir underlying the Town of North Hempstead is composed of unconsolidated glacial deposits of Pleistocene age and marine and terrestrial coastal-plain deposits of Late Cretaceous age; it is underlain by bedrock of Lower Paleozoic and(or) Precambrian age. The bedrock surface is the base of the ground-water reservoir.

The Cretaceous deposits beneath most of the Town of North Hempstead, except in the northern parts of Great Neck and Manhasset Neck, consist of three hydrogeologic units (not necessarily correlative with rock stratigraphic units). These are, from oldest to youngest, the Lloyd aquifer and Raritan clay, both of the Raritan Formation; and the Magothy aquifer, which belongs to the Magothy Formation-Matawan Group, undifferentiated. The low permeability of the Raritan clay generally causes the water in the underlying Lloyd aquifer to be confined and retards but does not prevent the movement of water between the two aquifers. These deposits are overlain by glacial deposits of late Pleistocene age, which form the upper glacial aquifer.

The Cretaceous deposits in the northern parts of Great Neck and Manhasset Neck have been deeply eroded, ice shoved, and removed locally. In these areas, Pleistocene deposits rest upon the erosional remnants of the Cretaceous deposits or on bedrock. The Pleistocene and Holocene(?) deposits, together with any remaining Cretaceous deposits in the northern parts of the Necks, have been divided into two distinct hydrogeologic units, herein named the Port Washington aquifer and the Port Washington confining unit.

The Port Washington aquifer overlies bedrock and is in turn overlain by the Port Washington confining unit. The confining unit confines water in the Port Washington aquifer but does not retard movement of water between the overlying upper glacial aquifer and the Port Washington aquifer.

Glacial deposits of late Pleistocene age and local deposits of Holocene age form the upper glacial aquifer. These undifferentiated deposits overlie the older deposits and abut them locally in buried valleys. The upper surface of the glacial deposits form the present land surface.

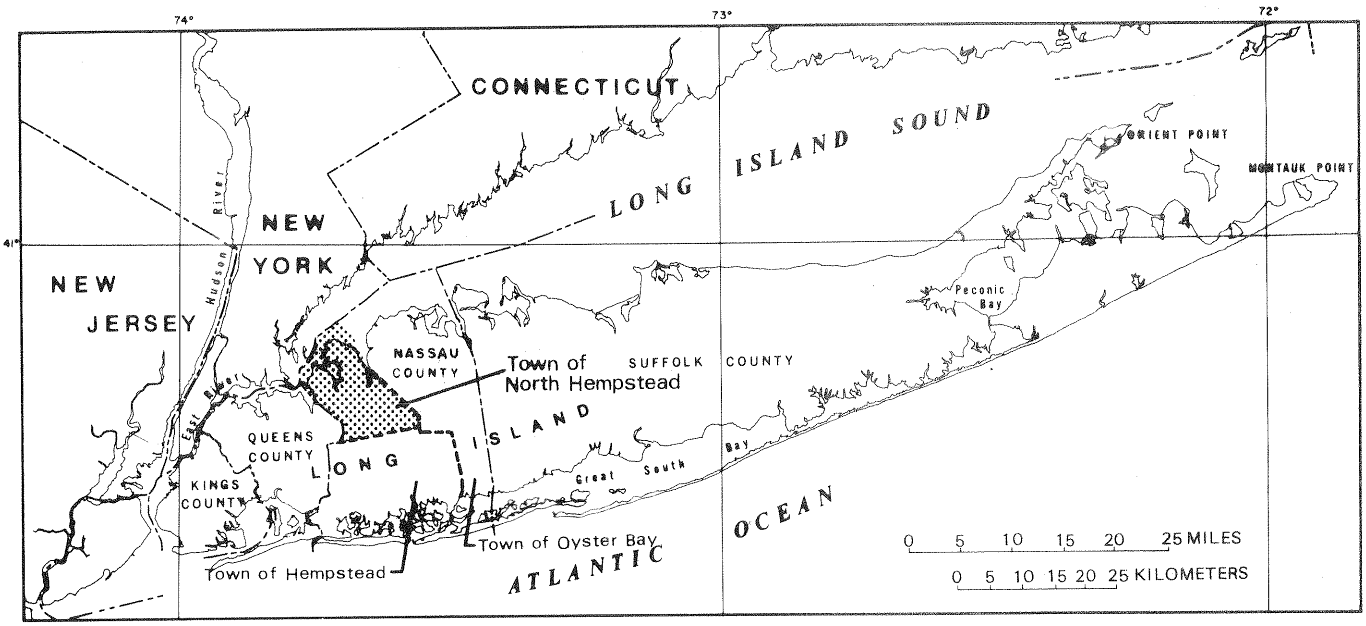


Figure 1.--Location of Town of North Hempstead, Nassau County.

INTRODUCTION

The increasing use of ground water within Nassau County has brought about the need for detailed knowledge of the hydrology and hydrogeologic framework of the ground-water system underlying the area. This knowledge is needed to aid in (1) the construction of analog and computer models of the hydrologic system to predict the effects of anticipated stresses on the system; (2) water-quality and wastewater-disposal studies, and (3) studies of long-term changes in ground-water levels, withdrawals, chemical quality, and artificial recharge of ground-water bodies. Results of these studies will assist in developing management decisions for the conservation of the ground-water supply, which is the County's sole source of freshwater.

Purpose and Scope

The purpose of this report is to (1) describe the geologic framework underlying the Town of North Hempstead and the hydrogeologic units that form the ground-water reservoir in that area, and (2) furnish the data and interpretations upon which future hydrologic studies in the Town of North Hempstead may be based.

This report provides sections and contour maps showing the thickness of the principal hydrogeologic units underlying the Town, and the altitude of the tops of these units. It also delineates the inferred areal extent of the units that overlie bedrock and describes their composition and lateral and vertical relationships. The report does not, however, delve deeply into the stratigraphy and correlation of the geologic units because these factors are not considered important to the study of the hydrogeology and because the data available for correlation of time-stratigraphic units are not adequate at this time.

The maps and sections are based on all available geologic data and well-drillers' logs. Geologic correlations are revised from those of Swarzenski (1963), Isbister (1966), and Fuller (1914). The thickness of each hydrogeologic unit was derived from drillers' logs and from the elevation of the top of the units as estimated for grid points 2,000 ft apart. The grid-point system was necessary because of the unequal distribution of log data.

Location and Extent of Study Area

The Town of North Hempstead encompasses an area of 54 mi^2 in the northwest part of Nassau County (fig. 1) and occupies approximately 17 percent of the land area of the County. In 1970, the population of the town was reported to be 235,007, or 16 percent of the County's population at that time.

Previous Investigations

The geology and ground-water resources of Long Island have been described by Burr and others (1904), Veatch and others (1906), Crosby (1910), Fuller (1914), and Suter and others (1949). These reports are islandwide in scope and contain information on the Town of North Hempstead. Detailed studies of the geology and hydrology of Nassau County were more recently made by Perlmutter and Geraghty (1963), Swarzenski (1963), and Isbister (1966). Soren (1971, 1978) has described the geology and hydrology of adjacent Queens County. Cohen and others (1968) summarized the results of hydrologic studies by the U.S. Geological Survey on Long Island up to 1966.

The surficial geology, geologic history, geologic nomenclature, and correlation of Pleistocene deposits on Long Island have been described by Woodworth (1901), Fleming (1935), MacClintock and Richards (1936), Sirkin (1968), and Sirkin and Mills (1975). Mills and Wells (1974), Sirkin (1968), and Sirkin and Mills (1975) described the deformation of Pleistocene deposits in the Port Washington area. Weiss (1954) and Upson (1970) discussed the problem of recognition and correlation of the Gardiners Clay. Correlation of Cretaceous strata is discussed in Perlmutter and Todd (1965) and Sirkin (1974).

Contour maps of the upper surface of the principal geologic units underlying Long Island have been made by de Laguna and Brashears (1948), Suter and others (1949), the New York State Water Power and Control Commission (1950), and Jensen and Soren (1974).

Records of wells in Nassau County (water-well-drillers' logs and well-construction data) can be found in Leggette and others (1938), Roberts and Brashears (1946), and the New York State Water Power and Control Commission (1958). Previous geologic correlations of many of the drillers' logs of these wells are given in Suter and others (1949).

The geology and subsurface morphology of Long Island Sound have been described by Tagg and Uchupi (1967) and Grim and others (1970). Walter S. Newman (written commun., 1966) and Simon Schaffel (written commun., 1971) made studies of the subsurface geology and Pleistocene and Holocene history of the western part of the Long Island Sound area.

Acknowledgments

The writer expresses appreciation for the generous assistance of water-supply superintendents, well drillers, and the many individuals who furnished access to wells and provided various types of data and well-location maps. Special thanks are extended to Daniel J. Larkin, Regional Supervisor of Environmental Analysis, and Robert J. O'Reilly, Principal Engineering Technician of the New York State Department of Environmental Conservation, for making available records of wells and other data essential to this study.

The writer was also assisted by M. J. McEachern, P. J. Acker, and D. F. Dellagiarino, all of whose assistance is gratefully acknowledged.

Sources of Data

TYPE OF DATA

The geologic data available for correlation in this study consisted primarily of well-drillers' logs. The drilling methods most commonly used on Long Island are percussion (cable tool) and rotary--either standard rotary, where drilling mud (natural, bentonitic, or organic) is circulated, or reverse rotary, where water is circulated to maintain the hole and flush out the cuttings. Because drillers' logs may vary significantly in description of sediment types, their reliability for subsurface correlation is generally questionable.

The drillers' logs were supplemented by sample logs made by personnel of the U.S. Geological Survey during the examination of bailer (cable tool) and mud-ditch (flume) samples and split-spoon core samples (rotary and driven), all of which were obtained from well drillers.

Geophysical logs (electrical-resistivity, spontaneous potential, and gamma-ray) made on logging units owned by the well-drilling companies, commercial well-logging companies, and the U.S. Geological Survey were also available for some wells. Most of the electrical-resistivity and gamma-ray logs were not spaced closely enough to significantly aid in correlation of available data. However, they were valuable in substantiating the type of sediments penetrated and reported by the drillers. The most reliable logs were the sample logs; however, most samples from which these were made were available from only certain sections of the drilled holes. Sample logs made from examination of cuttings collected from mud ditches were considered less reliable than bailer and core samples and were used only when no other data were available.

METHODS OF CORRELATION

Correlation of geologic data given in drillers' and geologists' (sample) logs was done in two steps. First, lithologic strip logs showing the rock units penetrated during drilling were drawn and compared. The main lithologic sequences that form the principal hydrogeologic units are usually well defined on most strip logs because the lithologic characteristics and(or) grain size of the deposits are clearly distinguishable. When split-spoon cores were available for study, the mineralogy of the sediments in the cores was used to help determine whether the material was of probable Pleistocene or Cretaceous age. The mineralogic criteria for identification and correlation of the geologic units underlying Long Island are given by Perlmutter (1949, p. 4-46).

The second step in correlation of geologic data was to refine the initial correlations as necessary during preparation of the sections and maps of the hydrogeologic units. These procedures were generally adequate for definition and correlation of the principal hydrogeologic units; however, where a drilled hole penetrated only a short way into the suspected top of a hydrogeologic unit, reliable correlation of that unit was not possible.

Reliable definition of the contacts between hydrogeologic units from drillers' logs is sometimes difficult because drillers' lithologic descriptions may be imprecise. The contacts between sediments of Pleistocene and Late Cretaceous age in the northern part of the North Hempstead area cannot be distinguished with certainty with drillers' logs because the sediments at the base of the Pleistocene deposits are locally similar to or indistinguishable from those at the top of the Cretaceous deposits.

Well Data and Well Numbering

The New York State Department of Environmental Conservation assigns numbers serially by county to wells on Long Island. Nassau County well and test-hole numbers bear the prefix N. Plate 1 shows the location of wells used during this study and the location of other significant wells in the Town of North Hempstead. In plate 1 the prefix N, which should precede each well number, has been omitted to avoid crowding; for example, well N 662 is shown as 662. Elsewhere in the report all well numbers are preceded by the letter N.

Well-completion data and other pertinent information on the wells are given in table 3 (at back of report). The well-completion data were taken from well-completion reports on file at the New York State Department of Environmental Conservation office in Stony Brook, N.Y. The locations and present status (1974-76) of most of the wells were determined in the field by the author.

HYDROGEOLOGY

Relation of Hydrogeologic and Geologic Units

Most fresh ground water underlying the Town of North Hempstead is in unconsolidated glacial deposits of Pleistocene age and coastal-plain deposits of continental and marine origin of Late Cretaceous age. These unconsolidated deposits consist of gravel, sand, silt, and clay and are underlain by bedrock of Lower Paleozoic and(or) Precambrian age. The bedrock, which is virtually impermeable, forms the base of the ground-water reservoir.

The water-bearing properties and characteristics of the aquifers, and the relationships between hydrogeologic and geologic units underlying the Town of North Hempstead, are depicted in tables 1 and 2. The correlations should not be considered direct relationships, as the tables may imply them to be. The upper and lower boundaries of the hydrogeologic units are determined mainly from gross lithologic differences between units rather than the age of the deposits, which forms the basis for geologic correlation. For example, the upper and lower limits of the confining units (Port Washington confining unit and Raritan clay) are placed at intervals where the lithologic sequence changes from predominantly clay to sand or sand and gravel, and these positions may have no time-stratigraphic significance. For this reason, and because differentiation between sediments of Pleistocene and Cretaceous age is difficult and uncertain, it is quite possible that some deposits of Pleistocene age

have been included in the upper part of the Magothy aquifer, which by present definition is roughly equivalent to the Magothy Formation-Matawan Group, undifferentiated, of Late Cretaceous age. The hydrogeologic sections (plates 2, 3, 4) show the inferred extent, lateral and vertical relationships, and the variations in depth, thickness, continuity, lithology, and structure of these units.

The hydrogeologic correlations of (a) wells used in constructing the sections and maps in this report, and (b) other wells in the Town of North Hempstead, are given in table 4 (at end of report).

The geologic and hydrologic units that form the ground-water reservoir underlying Long Island are described by Perlmutter and Geraghty (1963), Swarzenski (1963), Isbister (1966), and Cohen and others (1968). In addition, two newly proposed hydrogeologic units--the Port Washington confining unit and the Port Washington aquifer--are used and defined in this report for the first time. All other geologic and hydrologic unit names used in this report are those currently used by the U.S. Geological Survey.

Many questions as to the differentiation between deposits of Pleistocene age and those of Cretaceous age, and the correlation of stratigraphic rock units of Pleistocene and Cretaceous age on Long Island, are not yet resolved. The contact between Pleistocene and Cretaceous deposits is an erosional unconformity that, in most places, is marked by an abrupt lithologic and mineralogic change. In some places, the deposits are best distinguished by mineralogic differences; in others, lithologic differences are more useful. In general, the Cretaceous deposits consist of minerals that have been subjected to long weathering and contain only chemically stable minerals or their highly altered equivalents. The Pleistocene deposits, however, contain all minerals found in the Cretaceous sediments as well as significant amounts of rock fragments and unstable minerals (Perlmutter, 1949, p. 14-15).

Lithologic differences can be used in most of the southern part of the area to distinguish between deposits of Cretaceous age and those of probable Pleistocene age. The sequence of coarse, clean sand and gravel beds of probable Pleistocene age in this area changes abruptly in most places to the silty and solid clay and fine sand beds that form the upper part of the Cretaceous deposits. This abrupt change is clearly shown on many well-drillers' logs. In the northern part of the area it has been found difficult to use lithologic differences to distinguish between Pleistocene and Cretaceous deposits, however. In this area, the deposits are of similar composition, and the glacial deposits may locally be derived largely from other Cretaceous sources (Swarzenski 1963, p. 18).

In the northern part of the area, fossiliferous zones containing shell fragments and microfossils are locally present and are considered indicative of Pleistocene age because no fossiliferous material has been reported in the Cretaceous deposits. These fossiliferous deposits have in the past been correlated with the Gardiners Clay or its equivalent. As far as is known, no studies of fossil material from the north-shore area of the Town of North Hempstead have been done. These sediments also contain pollen and spores that are now being studied; results of these studies should aid in the determination of the age of the deposits.

Table 1.--*Summary of geology and water-bearing properties of deposits underlying most of Town of North Hempstead, Nassau County, New York*

System	Series	Geologic unit	Aquifer	Hydrogeologic unit	Approximate range in thickness (feet)	Character of deposits forming geologic unit 2/	Water-bearing properties 2/
QUATERNARY	Holocene	Undifferentiated artificial fill, salt-marsh and swamp deposits, stream alluvium, and shoreline deposits	Shallow unconfined aquifer 1/	Upper glacial aquifer	0-50	Sand, gravel, silt, and clay; organic mud, peat, loam, and shells. Colors are gray, green, black, and brown.	Permeable zones near shoreline or in stream valleys may yield small quantities of fresh or brackish water at shallow depths. Clay and silt beneath northshore harbors retard salt-water encroachment and confine underlying aquifers.
QUATERNARY	Pleistocene	Upper Pleistocene deposits	Shallow unconfined aquifer 1/	Upper glacial aquifer	6-340	Till, composed of unsorted clay, sand, gravel, and boulders. Present in northern part of area. Outwash deposits of stratified brown sand and gravel. May also contain some lacustrine and marine deposits consisting of clay, silt, and sand; locally fossiliferous.	Till, relatively impermeable, may cause local conditions of perched water and impede downward percolation of precipitation. Outwash deposits of sand and gravel are highly permeable. Wells screened in glacial outwash deposits, generally at depths of less than 130 ft, yield as much as 1,400 gal/min. Specific capacities of wells range from 5 to 57 gal/min per ft of drawdown. Water is generally fresh and unconfined.
		Unconformity					
CRETACEOUS	Upper Cretaceous	Matawan Group-Magothy Formation undifferentiated	Principal aquifer 1/	Magothy aquifer	0-530	Clay, silt, sandy clay, and sand, fine to medium, clayey, white, gray, yellow, pink and multicolored, in lenticular beds. May contain lenticular beds of coarse sand and gravel in lower 50-100 feet of unit. Lignite, pyrite, and iron oxide concentrations may occur throughout the unit.	Moderately to highly permeable. Wells screened in basal zone of aquifer yield as much as 1,400 gal/min. Specific capacities commonly range from 15 to 30 gal/min per ft of drawdown, but may be as high as 50 (gal/min)/ft. Aquifer is principal source for public supply. Water is generally of excellent quality. Degree of confinement under artesian pressure is variable; however, artesian conditions generally prevail in the deeper part of the aquifer. Hydraulic continuity may exist between the Magothy aquifer and contigous Pleistocene aquifers.
		Unconformity					
CRETACEOUS	Upper Cretaceous	Raritan Formation: Clay member		Raritan clay (confining unit)	0-195	Clay, solid and silty, gray, white, red, and mottled. May contain lenses or layers of fine to medium sand which may locally contain gravel. Sand layers frequently occur near top of unit. Lignite and pyrite are common.	Relatively impermeable. Confines water in underlying Lloyd aquifer but does not prevent movement of water between Magothy and Lloyd aquifers.
CRETACEOUS	Upper Cretaceous	Raritan Formation: Lloyd Sand Member	Deep confined aquifer 1/	Lloyd aquifer	0-205	Sand, fine to coarse, white, yellow, or gray, and gravel, commonly in a clayey matrix. Contains lenses and layers of solid or silty clay. Beds are usually lenticular and frequently show great lateral changes in composition.	Moderately permeable. Wells yield as much as 1,600 gal/min; specific capacities range commonly from 10 to 20 gal/min per ft of drawdown. Constitutes only source of large supplies on parts of Great and Manhasset Necks. Water is confined under artesian pressure; some wells flow. Water is generally of excellent quality but may have high iron content.
		Unconformity					
LOWER PALEOZOIC AND(OR) PRECAMBRIAN		Crystalline rocks		Bedrock	Not known	Metamorphic and igneous rocks; muscovite-biotite schist, gneiss, and granite (?). Weathered zone at top ranges in thickness from 0 to more than 67 feet.	Relatively impermeable. Contains some water in fractures but is impracticable to develop owing to low permeability.

1/ From Swarzenski (1963)
2/ Modified from Swarzenski (1963) and Isbister (1966)

Table 2.--*Summary of geology and water-bearing properties of deposits underlying northern part of Great Neck and Manhasset Neck, Town of North Hempstead, Nassau County, New York*

System	Series	Geologic unit	Aquifer system	Hydrogeologic unit	Approximate range in thickness (feet)	Character of deposits forming geologic unit 2/	Water-bearing properties 2/
QUATERNARY	Holocene	Undifferentiated artificial fill, salt-marsh and swamp deposits, stream alluvium, and shoreline deposits.	Shallow unconfined aquifer 1/	Upper glacial aquifer	0-50	Sand, gravel, silt, and clay; organic mud, peat, loam, and shells. Colors are gray, green, black and brown.	Permeable zones near the shoreline or in stream valleys may yield small quantities of fresh or brackish water at shallow depths. Clay and silt beneath the north-shore harbors retard salt-water encroachment and confine underlying aquifers.
QUATERNARY	Pleistocene	Upper Pleistocene deposits	Shallow unconfined aquifer 1/	Upper glacial aquifer	6-340	Till, composed of unsorted clay, sand, gravel, and boulders. Present in northern part of area. Outwash deposits of stratified brown sand and gravel. May also contain some lacustrine and marine deposits consisting of clay, silt, and sand; locally fossiliferous.	Till, relatively impermeable, may cause local conditions of perched water and impede downward percolation of precipitation. Outwash deposits of sand and gravel are highly permeable. Wells screened in glacial outwash deposits, generally at depths of less than 130 ft, yield as much as 1,400 gal/min. Specific capacities of wells range from 5 to 57 gal/min per ft of drawdown. Water is generally fresh and unconfined.
		Unconformity					
CRETACEOUS-QUATERNARY	Upper Cretaceous, Pleistocene and Holocene(?)	Deposits of Pleistocene and Holocene(?) age, undifferentiated. May locally include eroded remnants of the clay member of the Raritan Formation. [Gardiners Clay of Swarzenski (1963)].		Port Washington confining unit	0-287	Clay, solid and silty, gray, gray-green, white, red, mottled, and brown, containing lenses or layers of sand and gravel. May locally contain lignite, shells, Foraminifera and other microfossils.	Relatively impermeable. Confines water in underlying Port Washington aquifer but does not prevent movement of water between upper glacial aquifer and Port Washington aquifer. Lenses of sand and gravel may provide small sources of water supply and may permit local interchange of water with adjacent aquifers.
CRETACEOUS-QUATERNARY	Upper Cretaceous, Pleistocene and Holocene(?)	Deposits of Pleistocene age, undifferentiated and local erosional remnants of the Lloyd Sand Member of the Raritan Formation. [Jameco Gravel of Swarzenski (1963)].	Deep confined aquifer 1/	Port Washington aquifer	0-193	Sand, fine to coarse, white, yellow, gray and brown, or gray and gravel, with interbedded clay, silt, and sandy clay.	Moderately to highly permeable. Yields as much as 800 gal/min to wells. Specific capacities are commonly between 10 and 20 gal/min per ft of drawdown. Constitutes only source of large supplies of water in parts of Manhasset and Great Necks. Water is confined under artesial pressure. Generally contains fresh water but may have high iron content; locally may contain brackish water.
		Unconformity					
LOWER PALEOZOIC AND(OR) PRECAMBRIAN		Crystalline rocks		Bedrock	Not known	Metamorphic and igneous rocks; muscovite-biotite schist, gneiss, and granite(?). Weathered zone at top ranges in thickness from 0 to more than 67 feet.	Relatively impermeable. Contains some water in fractures, but impracticable to develop owing to low permeability.

1/ From Swarzenski (1963)
2/ Modified from Swarzenski (1963) and Isbister (1966)

The correlation of stratigraphic units of Pleistocene and Cretaceous age on Long Island involves the correlation of (a) Pleistocene deposits referred to as the Gardiners Clay and Jameco Gravel, and (b) Cretaceous deposits, with deposits of similar age in New Jersey. For example, recent studies by Sirkin (1974) have indicated that deposits included in the Raritan Formation on Long Island may be equivalent in part to those included in the Magothy Formation in New Jersey. Because hydrogeologic units do not need to be equivalent to stratigraphic units, questions as to stratigraphy and correlation of these deposits are not discussed further in this report. Additional information on this subject is given in the reports mentioned in the section "Previous Investigations."

The division of the sedimentary sequence into separate hydrogeologic units that together form the ground-water reservoir underlying the Town of North Hempstead is essentially the same in this report as in works by Swarzenski (1963) and Isbister (1966). Many of the correlations of well-drillers' logs used in this study are the same as those made by Swarzenski (1963) and Isbister (1966); therefore, this report could in some respects be considered an updating of these earlier studies.

Swarzenski (1963, p. 32) considered the Lloyd Sand Member of the Raritan Formation (Lloyd aquifer) and the Jameco Gravel (Port Washington aquifer) to be hydrologically connected and to form what was at that time called the deep confined aquifer (tables 2 and 3). He regarded the lower limit of the aquifer as the bedrock surface and the upper limit as the clay member of the Raritan Formation (Raritan clay) and the Gardiners Clay (Port Washington confining unit). The premise that the two units are hydrologically connected is not questioned in this report. (See pl. 3, sections C-C' and D-D', and pl. 4, section E-E'.)

The Port Washington and Lloyd aquifers and the Port Washington confining unit and Raritan clay are treated as four distinct hydrogeologic units in this report because (1) this approach will facilitate future studies of the hydrology of each unit as a whole, and (2) the individual units may have different hydraulic characteristics as a result of their separate origin. The reasons why new hydrogeologic names have been proposed in this report for the Jameco Gravel and Gardiners Clay of Swarzenski (1963) are given in the sections "Port Washington aquifer" and "Port Washington confining unit."

Hydrogeologic Units

BEDROCK

Bedrock of Lower Paleozoic and(or) Precambrian age underlies all of western Long Island (Fisher and others, 1962). The bedrock generally consists of schist and gneiss and contains many igneous intrusions; its upper part is deeply altered by weathering (Perlmutter, 1949, p. 13). The zone of decay commonly consists of red, gray, yellow, white, green, or mottled colored clay, or sandy clay with partly decayed rock and mineral fragments

(Perlmutter, 1949, p. 13). If good core samples are available, a definite downward gradation from an almost pure clay to "sound" rock can be observed. Decayed bedrock samples are characterized by angular and ragged crystals of quartz, garnet, biotite, amphibole, feldspar, and their altered equivalents. The weathered zone ranges from 0 to more than 67 feet in thickness and may be locally absent as a result of erosion.

Eighteen of the 34 wells that have been drilled into bedrock in the Town of North Hempstead probably penetrated weathered bedrock. Most drillers' logs describe the bedrock as being composed of blue, brown, gray, or multicolored clay, sandy clay, or sand and clay. The clay is usually described as being "tough" and occasionally containing stones or boulders. Without indicative cores or rock samples, weathered bedrock cannot be reliably distinguished, nor can the precise top of the weathered bedrock zone be determined.

The altitude and configuration of the bedrock surface in the Town of North Hempstead are shown in figure 2. The bedrock surface dips 62 ft/mi southeastward and ranges from 166 feet below sea level along the north shore to more than 900 feet below sea level in the southeast part of the Town of North Hempstead. The configuration of most of the bedrock surface may be attributed to fluvial erosion before Late Cretaceous time; the configuration of the bedrock surface in the north half of Great Neck and Manhasset Neck may have been locally affected by glacial and fluvial erosion during Pleistocene time. Available well data are sufficient to define only the general structural trend of the bedrock surface in the North Hempstead area.

Bedrock is generally regarded as the base of the ground-water reservoir on Long Island because of its density and low permeability. No wells in the Town of North Hempstead are known to obtain water from bedrock; it is possible, however, that joints and fractures in the bedrock could provide yields sufficient for some domestic supplies.

LLOYD AQUIFER

The Lloyd aquifer is the equivalent of the Lloyd Sand Member of the Raritan Formation of Late Cretaceous age (Cohen and others, 1968, p. 18). The Lloyd deposits overlie bedrock and are overlain by the Raritan clay. The inferred extent, altitude, and configuration of the top of the Lloyd aquifer in the Town of North Hempstead are shown in figure 3. The lithologic composition, as indicated by drillers' logs and lateral relationships of the aquifer, are shown on plates 2 to 4, the locations of the sections are shown on plate 1 and in figure 3.

The Lloyd aquifer consists of discontinuous layers of gravel, sand, sandy clay, silt, and clay. As determined from the best available samples, the sand and gravel beds are composed of yellow, white, and gray quartz and contain minor amounts of chert and other stable minerals. The quartz grains are angular to subrounded, and the beds contain varying amounts of interstitial clay. White, gray, and buff silt and clay lenses are common. Thin lenses and scattered particles of lignite also occur.

Drillers usually describe the Lloyd sediments in the Town of North Hempstead as consisting of white and, occasionally, light-gray to dark-brown coarse sand and gravel or grit, with some interbedded fine to medium sand and clay. The clay is usually described as brown or gray but may occasionally be described as white, pink, red, or multicolored.

The Lloyd aquifer, as inferred from available data, may locally consist of either a unit composed largely of sand and gravel, as shown on the log of well N 24 (pl. 2, section B-B') or as a unit that consists of a lower sand and gravel sequence and a finer grained sequence above. The two units are separated by a thin, clayey zone, as shown on the log of well N 8477 (pl. 4, section E-E'). The clay zone generally consists of from one to three clay beds that cannot be correlated reliably over any great distance.

Drillers' logs indicate that the upper, finer grained sequence commonly consists of beds of sandy clay and fine to medium sand that generally contain thin beds of clay. Elsewhere, the logs indicate that the upper part may consist of gravelly clay, as shown on the log of well N 1958 (pl. 3, section D-D'), or sand and gravel.

By the end of 1975, 20 wells had penetrated the full thickness of the Lloyd aquifer. The average thickness of the aquifer, as determined from drillers' logs, is 132 ft but ranges in thickness from 0 to more than 200 ft (fig. 4).

The top of the Lloyd aquifer decreases in altitude southeastward from 155 ft below sea level in the Great Neck area to more than 650 ft below sea level in the southeast corner of the Town. (See fig. 3.)

The Lloyd is a major aquifer in the Town of North Hempstead and is the source of water for 15 public-supply wells. The aquifer is probably hydraulically continuous with the adjacent Port Washington aquifer and the upper glacial aquifer in the Great Neck and Manhasset Neck areas. Water in the Lloyd aquifer is confined under artesian pressure beneath the Raritan clay.

Well yields during test pumping of large-capacity public-supply wells screened in the Lloyd aquifer have ranged from 510 gal/min to as much as 1,600 gal/min. The specific capacities of these wells range from 6 to 31 gal/min per foot of drawdown.

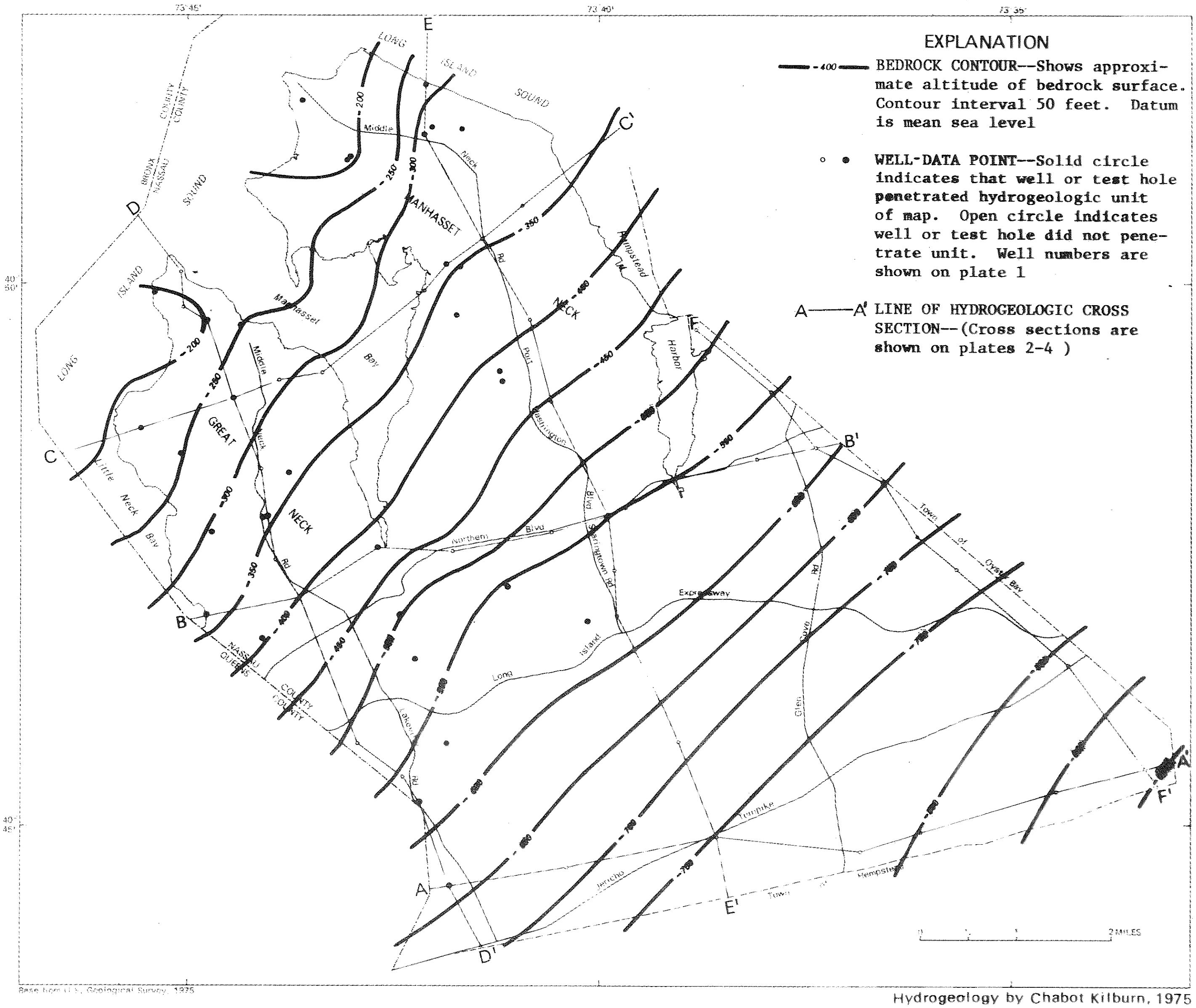


Figure 2.--Altitude and configuration of bedrock surface underlying Town of North Hempstead, Nassau County, Long Island, N.Y.

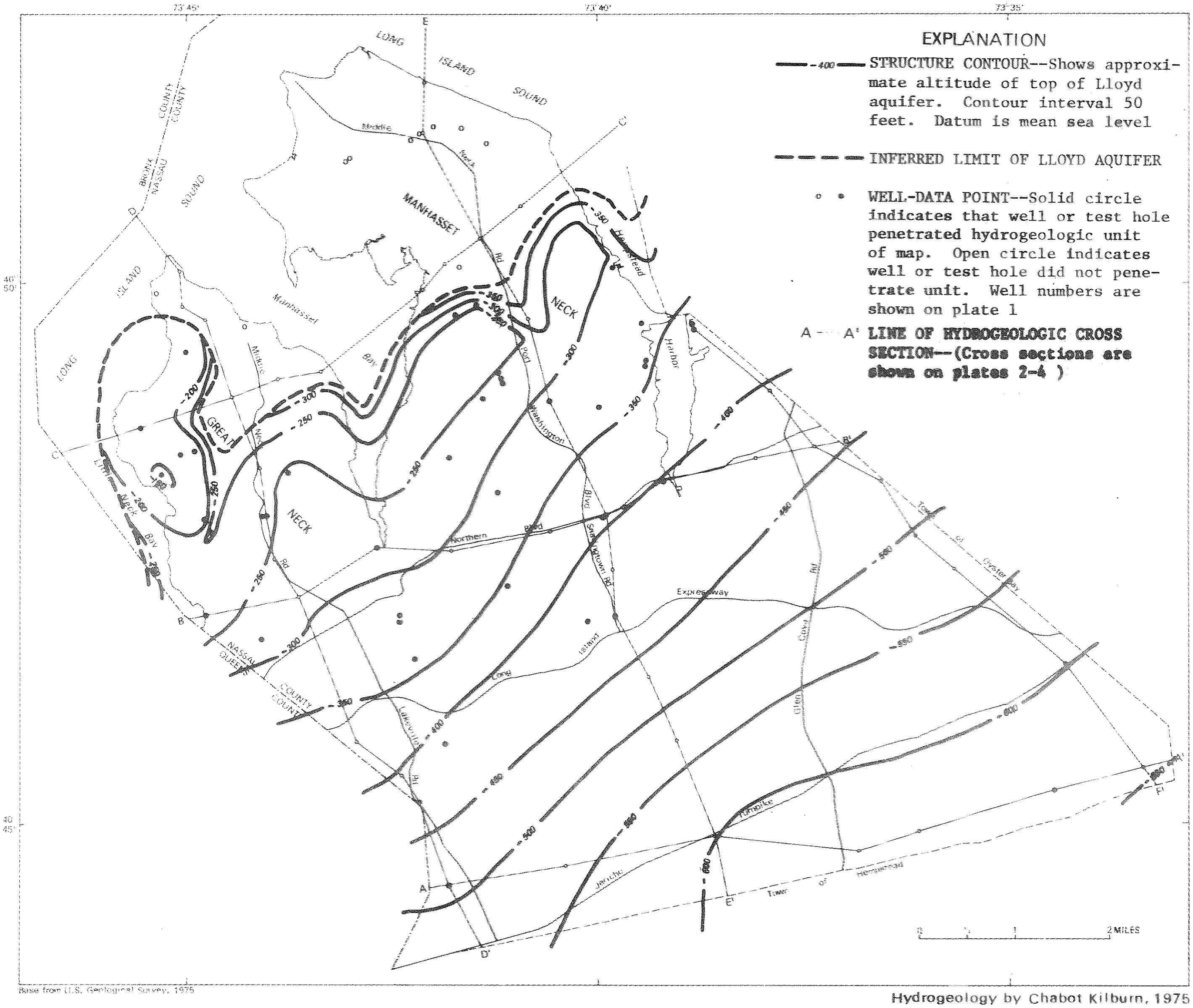


Figure 3.--Inferred extent, altitude, and configuration of top of Lloyd aquifer.

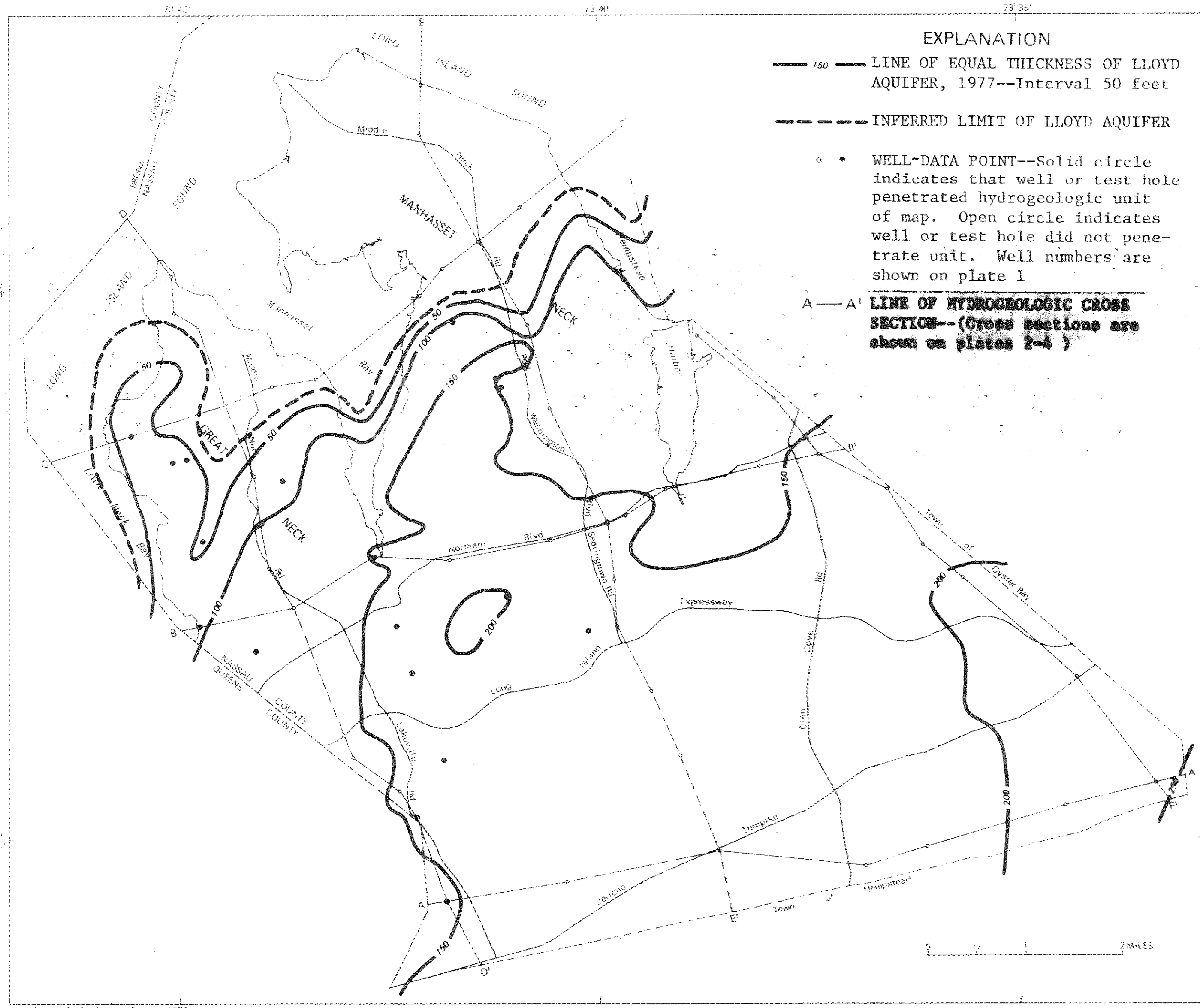


Figure 4.--Approximate thickness of Lloyd aquifer.

RARITAN CLAY

The Raritan clay is a distinct hydrogeologic unit that extends throughout much of the Town of North Hempstead (fig. 5). In this area the Raritan clay may be equivalent to the unnamed clay member of the Raritan Formation of Late Cretaceous age. The clay overlies the Lloyd aquifer and is in turn overlain by the Magothy aquifer. The composition and relationship of the Raritan clay to other hydrogeologic units is shown in tables 2 and 3 and plates 2 to 4.

The thickness of the clay, as determined from drillers' logs, ranges from 20 ft to 195 ft; within the Town of North Hempstead it is inferred to range from 0 to about 200 ft (fig. 6).

The Raritan clay consists mainly of clay and varying amounts of silt and sand. It is variously described as light to dark gray with beds of red, white, yellow, or mottled clay. Drillers have also noted sandy zones within the upper part of the clay. Core samples show that the clay may be laminated and may contain pyrite and lenses of lignite.

The Raritan clay is a significant hydrogeologic unit because it confines water in the underlying Lloyd aquifer. Although its hydraulic conductivity is very low, it does not entirely prevent movement of water between the Magothy and Lloyd aquifers. Some public-supply wells and other wells obtain part of their water supply from the sandy zones in the upper part of the Raritan clay.

MAGOTHY AQUIFER

The Magothy aquifer is composed of Upper Cretaceous sediments that overlie the Raritan clay. It is in turn overlain by deposits of Pleistocene age that form the upper glacial aquifer (pls. 2-4 and tables 2, 3).

The Magothy aquifer consists mainly of lenticular and discontinuous beds of very fine to medium sand, commonly clayey or containing thin clay lenses, that are interbedded with clay and sandy clay, silt, and some sand and gravel. Beds of coarse sand and gravel commonly occur in the lower 100 to 150 ft of the aquifer. This coarser zone may have been referred to in some reports as "basal Magothy." The sediments in the aquifer seem to grade upward from coarser grained at the base to finer grained at the top. The greater proportion of the clay and sandy clay occurs in the upper half of the aquifer. Thick beds of clay occur locally at the top of the aquifer (see pl. 4, section E-E', well N 4327) and seem to be distributed irregularly throughout the area.

Most of the original Cretaceous deposits in the Long Island Sound area were extensively eroded or removed before early(?) Pleistocene time. The northern limit of these deposits and of the Magothy aquifer is an erosional scarp, or ridge, into which later Pleistocene streams cut deep, north-trending valleys. These valleys were modified further by still later glacial action and are now buried beneath deposits of Pleistocene age (pls. 2-4 and fig. 7). The erosion in many of these valleys was sufficient to cut through the

Magothy aquifer into the underlying Raritan clay. The upper surface of the Magothy in the area not cut by valleys ranges in altitude from slightly below sea level to more than 200 ft above sea level (fig. 7).

The inferred extent, altitude, and configuration of the top of the Magothy aquifer in the Town of North Hempstead are shown in figure 7. The continuity, composition, and relationships of the aquifer to adjacent hydrogeologic units are shown in plates 2 to 4 and tables 2 and 3. The aquifer ranges in thickness from 0 to more than 500 ft (fig. 8); its maximum known thickness in the Town of North Hempstead is 530 ft at well N 2602 in the southeast corner of the Town (pl. 1).

It is quite possible that the uppermost part of the Magothy contains deposits of Pleistocene age or, conversely, that the lower part of the upper glacial aquifer contains Cretaceous deposits because the boundary between the Cretaceous and Pleistocene deposits in some areas is indistinguishable. In the area north of the glacial outwash plain (pl. 1), it is often difficult to differentiate between the upper glacial aquifer and the upper part of the Magothy aquifer from drillers' logs because Pleistocene deposits rest upon Cretaceous sediments of similar composition and show no significant lithologic differences that drillers would be likely to note. Also, many drillers' logs of wells north of Northern Boulevard are old and seem to be generalized; determination of the contact between the units from these logs is therefore of doubtful reliability. Some sample logs that were used in this study were prepared from cuttings collected from the mud ditch and are probably contaminated by recirculated materials. Thus, precise determination of the depth of the contacts from these samples is also uncertain.

The Magothy aquifer is the principal aquifer underlying Long Island and is the island's main source of water for public supplies. The sandbeds within the aquifer are moderately to highly permeable. The reported yield during test pumping of 90 large-capacity wells screened in the Magothy aquifer in the Town of North Hempstead ranged from 300 gal/min to as much as 1,543 gal/min. The average yield of the 90 wells was 1,000 gal/min, and specific capacities ranged from 7 to 77 gal/min per foot of drawdown, with an average specific capacity of 29.6 (gal/min)/ft. Wells screened in the basal part of the aquifer may yield up to 1,400 gal/min.

The large amount of clay in the upper half of the aquifer causes the water to become increasingly confined with depth. Along the north shore, the Magothy aquifer is probably in hydraulic continuity with the adjacent Port Washington aquifer. The Magothy also has a generally high degree of hydraulic continuity with the overlying upper glacial aquifer, but the degree of continuity may vary considerably from place to place.

The upper part of the Magothy aquifer is locally unsaturated in the Town of North Hempstead. The location and approximate thickness of the unsaturated zone within the aquifer in June 1976 is shown in figure 9. The maximum thickness of the unsaturated zone during this period is estimated to have been 80 ft. Where the Magothy is unsaturated, the upper surface of the saturated zone is the water table; elsewhere the Magothy is saturated and the water table is in the overlying upper glacial aquifer.

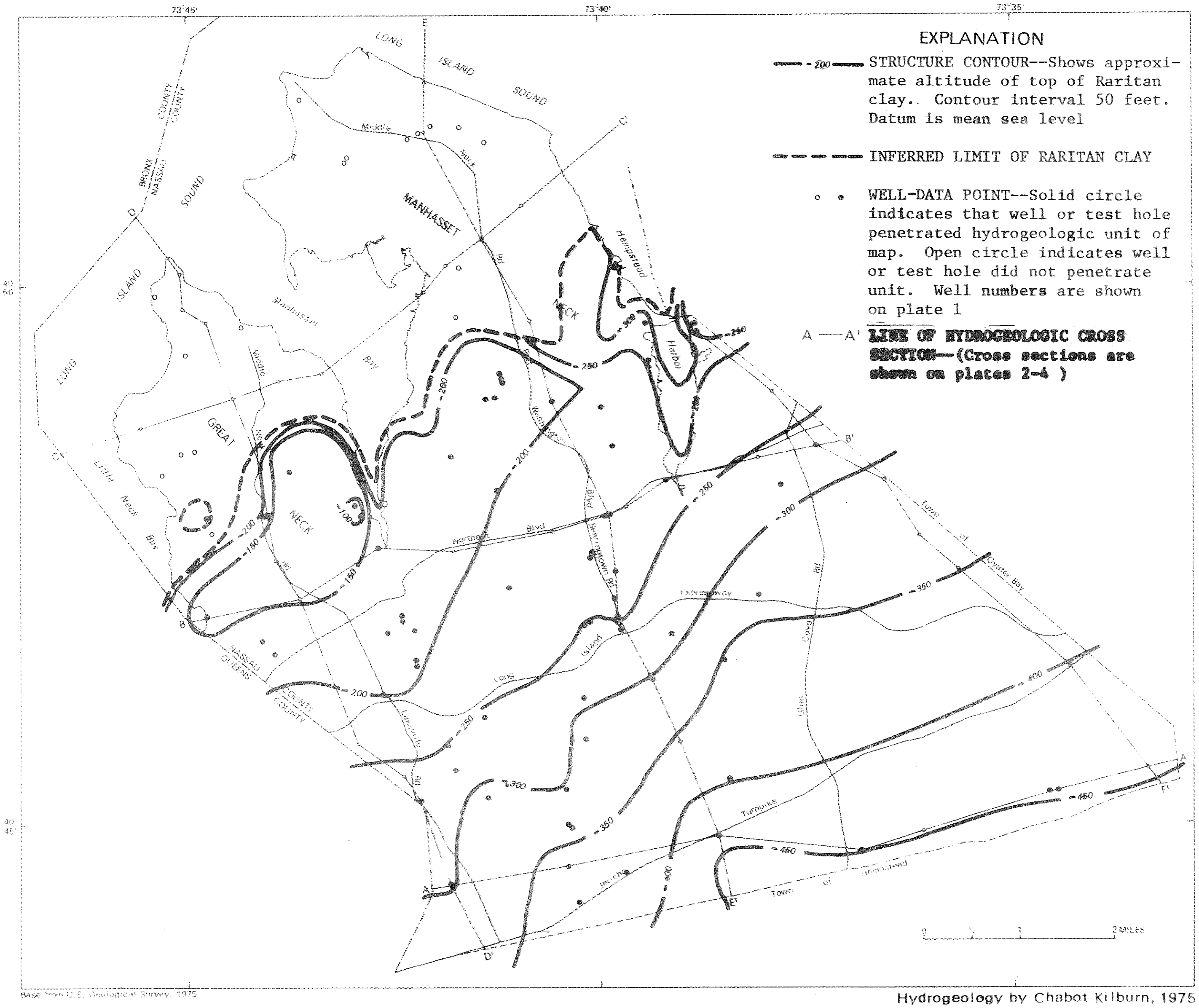


Figure 5.--Inferred extent, altitude, and configuration of top of Raritan clay.

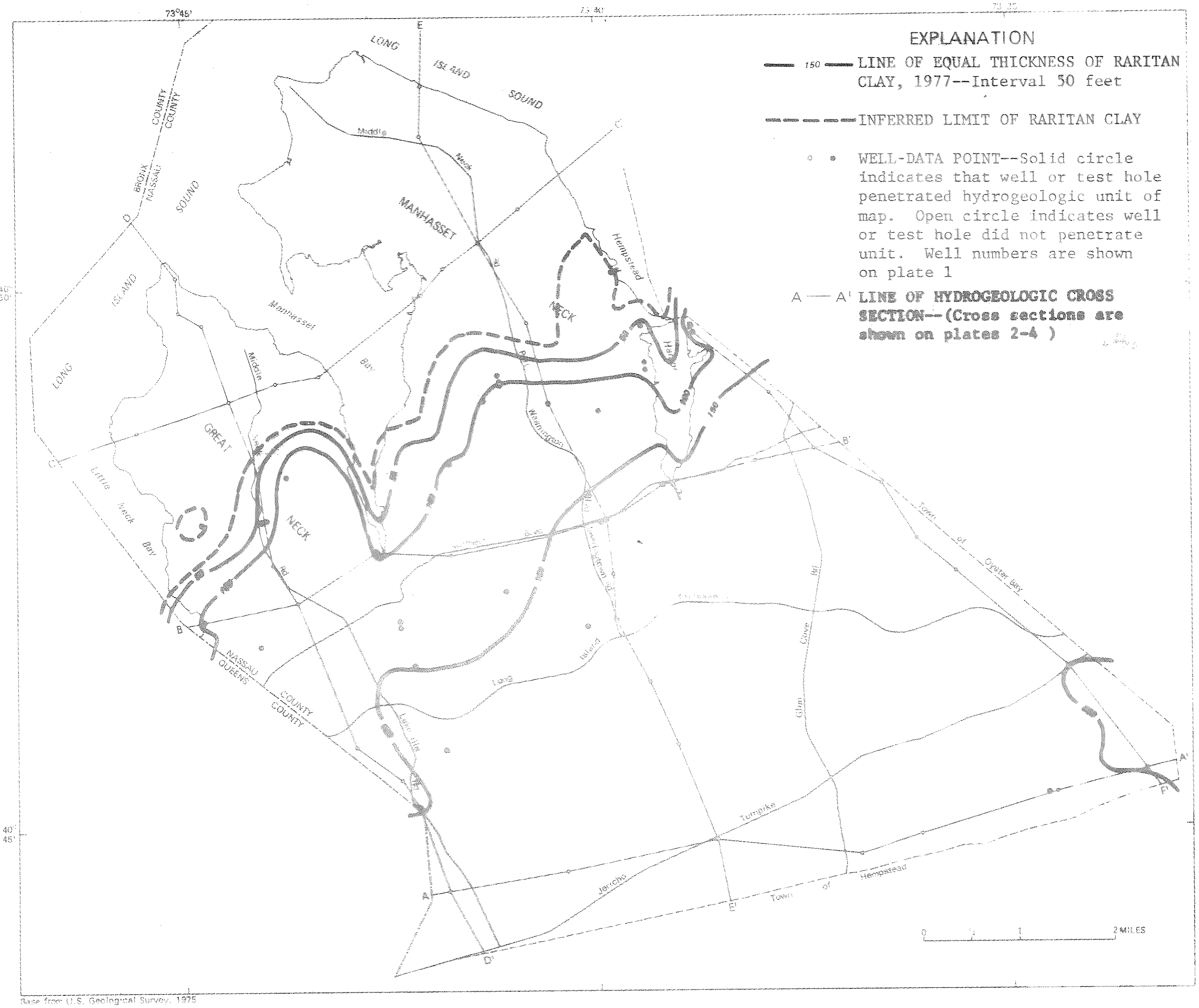


Figure 6.--Approximate thickness of Raritan clay.

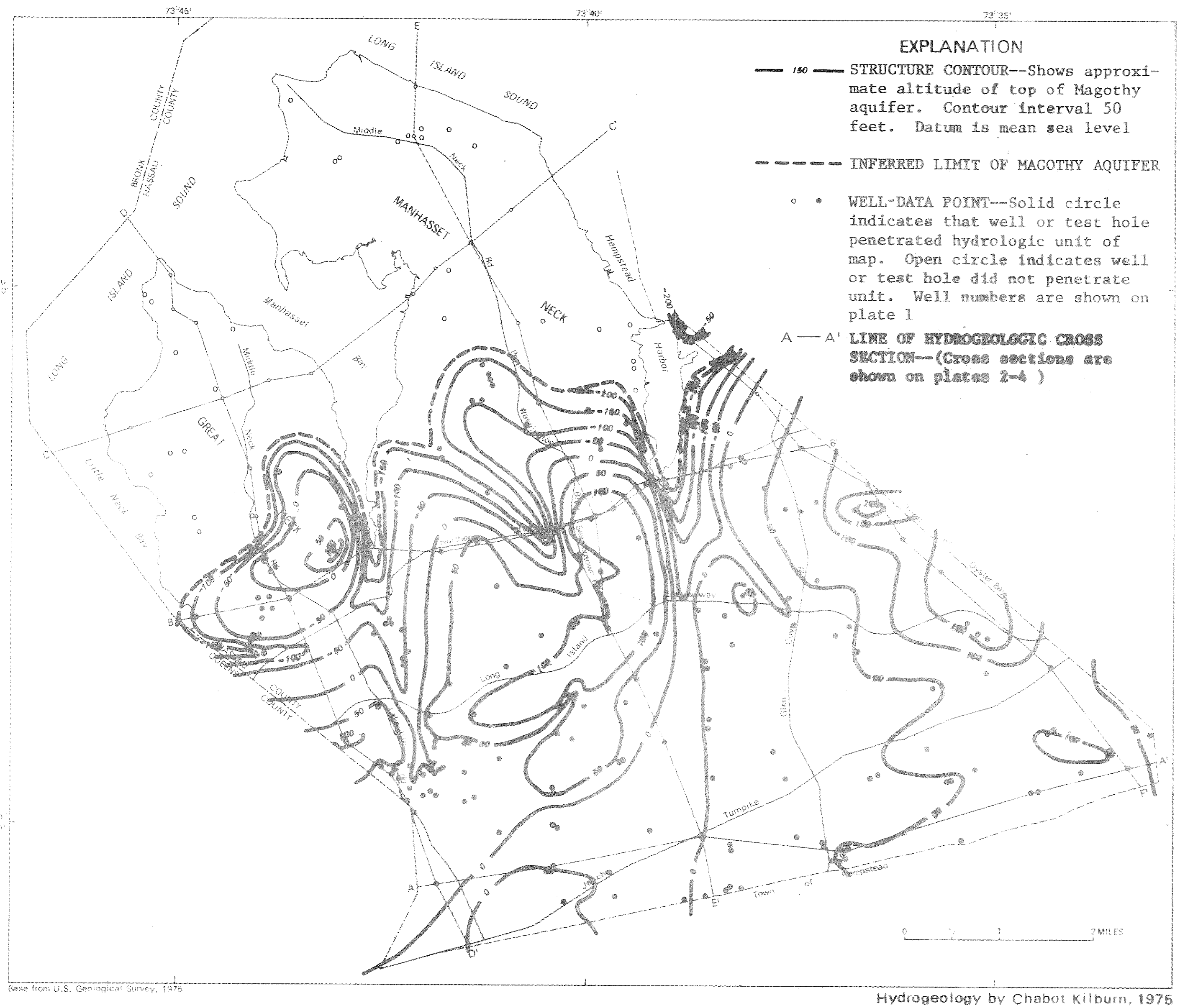


Figure 7.--Inferred extent, altitude, and configuration of top of Magothy aquifer.

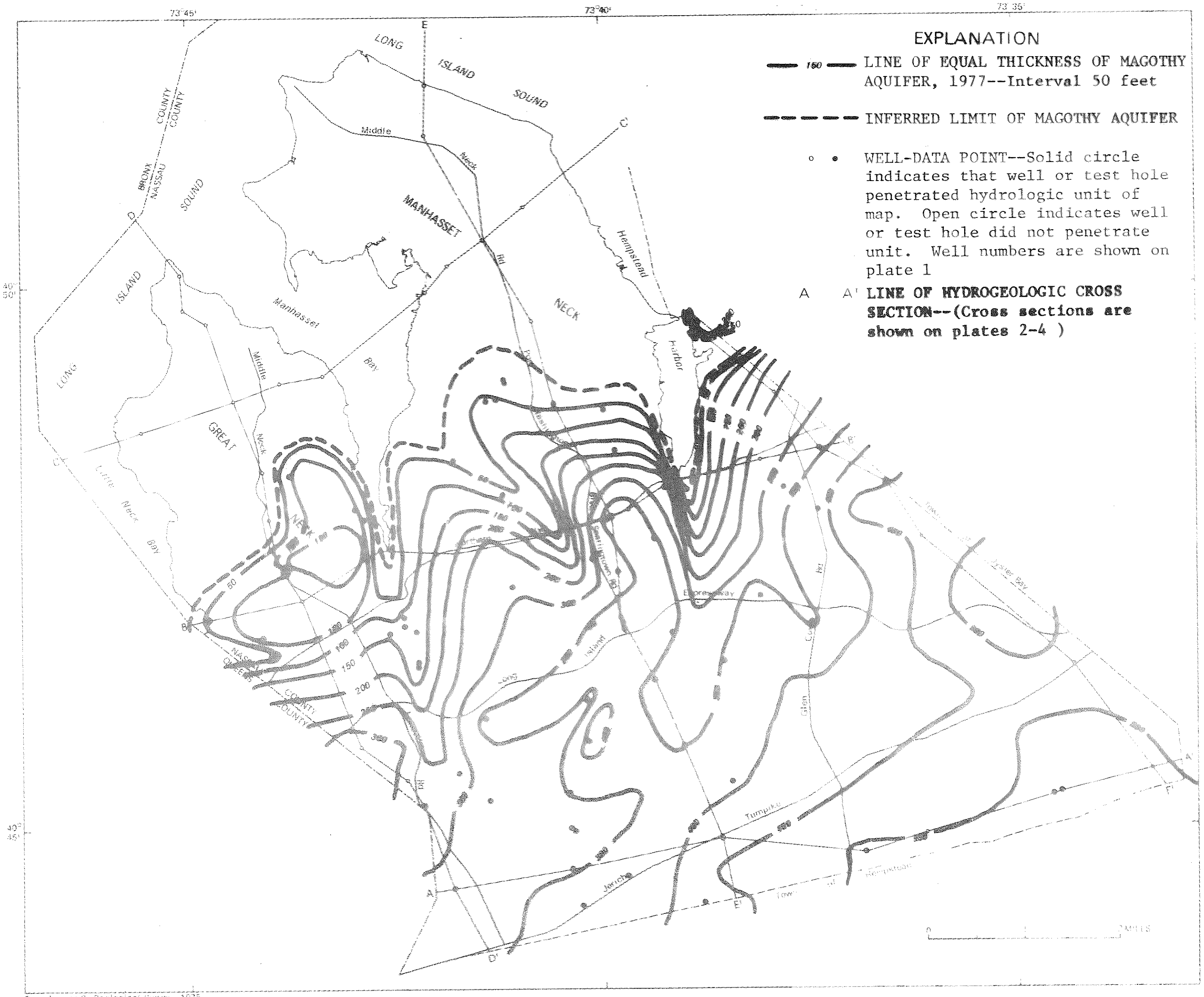


Figure 8.--Approximate thickness of Magothy aquifer.

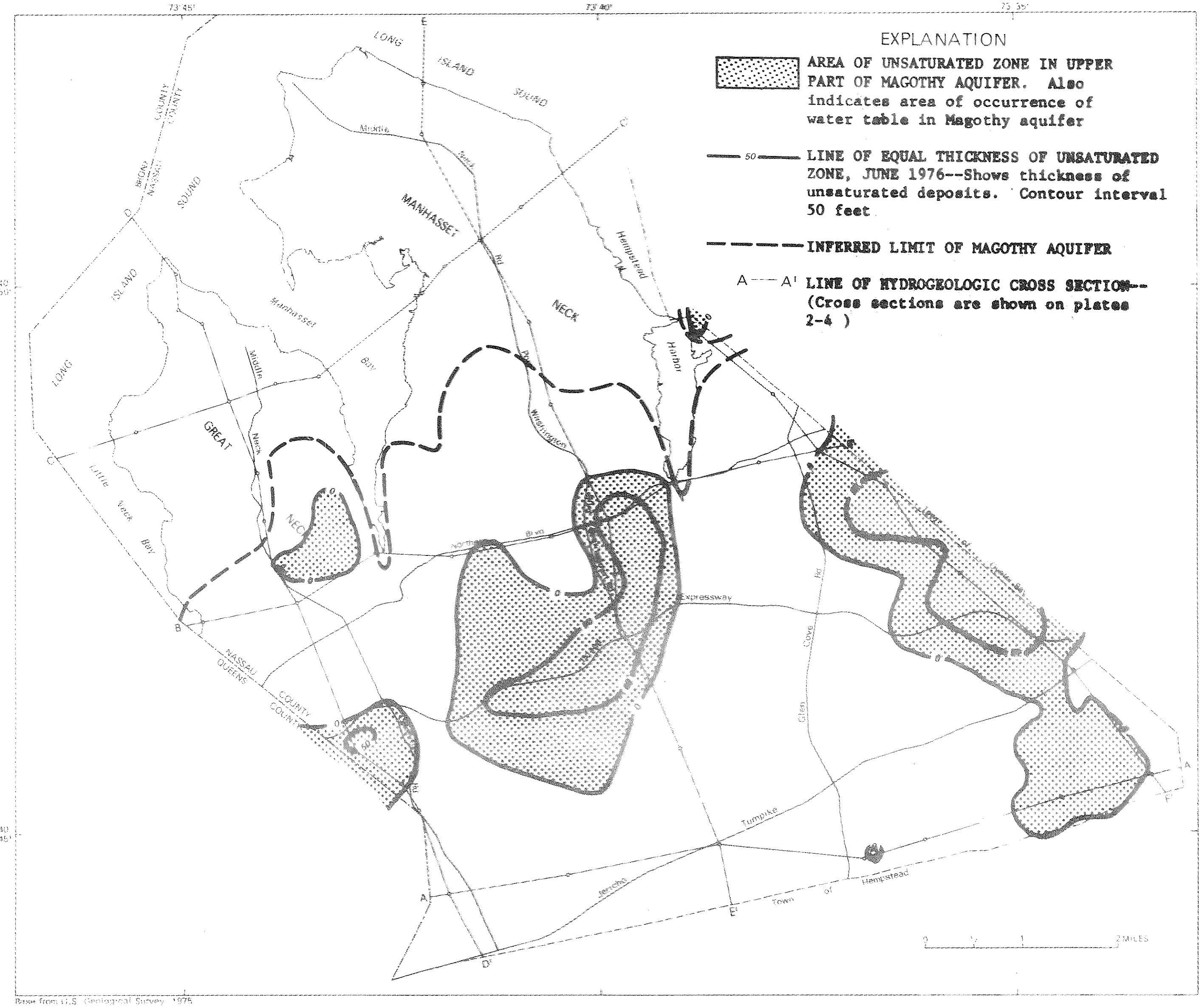


Figure 9.--Approximate location and thickness of unsaturated zone at top of Magothy aquifer, Town of North Hempstead, June 1976.

PORT WASHINGTON AQUIFER

The name Port Washington aquifer is here given to a sequence of deposits of Pleistocene and (or) Late Cretaceous age that underlie the north shore area of the Town of North Hempstead. These deposits were called Jameco Gravel by Swarzenski (1963, pl. 4-7).

The name Port Washington aquifer is used in this report in preference to the names Jameco Gravel or Jameco aquifer because these imply correlation, which is questionable, with the Jameco Gravel in southern Queens and southwestern Nassau Counties. Swarzenski (1963, p. 18-19) noted that the deposits in northwestern Nassau County could not be reliably dated but that they were derived largely from Cretaceous sources and contained only a small admixture of igneous rock pebbles or other erratic material. The Jameco Gravel cannot be reliably identified from well-drillers' samples and was recognized by Swarzenski only where it was overlain by a clay sequence that he considered to be Gardiners Clay.

The deposits that form the Port Washington aquifer form a distinct hydrogeologic unit that rests upon bedrock and is overlain by a thick confining clay sequence herein named the Port Washington confining unit. The south edge of the deposits overlap and abut against the adjacent Cretaceous units. The sediments of the Port Washington aquifer form part of the valley fill in the channels cut into the Cretaceous deposits.

The inferred extent, altitude, and configuration of the top of the Port Washington aquifer are shown in figure 10. The inferred limits of the aquifer beneath Long Island Sound and the Manhasset Bay area, as shown in plate 3, sections C-C' and D-D' and figure 10, were drawn on the assumption that erosion after the deposition of the overlying confining unit removed the deposits from the area. Data to support these inferences are not available, however.

The top of the Port Washington aquifer ranges in altitude from 60 ft below sea level to more than 300 ft below sea level (fig. 10). The irregular surface of the top of the unit is probably the result of erosion before deposition of the overlying unit. The continuity, general composition, and lateral relationships of the Port Washington aquifer with other hydrogeologic units are shown in plate 2, section B-B', and plates 3 and 4.

The composition and thickness of the Port Washington aquifer vary considerably. The aquifer consists mainly of sand or sand and gravel and varying amounts of interbedded clay, silt, and sandy clay. Drillers' logs indicate that the aquifer may also contain thick sections of clay or sandy clay locally and that the amount of sand or sand and gravel may vary considerably. The aquifer ranges from 0 to more than 150 ft in thickness (fig. 11); it is thickest in the central parts of Great Neck and Manhasset Neck, where it probably averages over 100 ft in thickness.

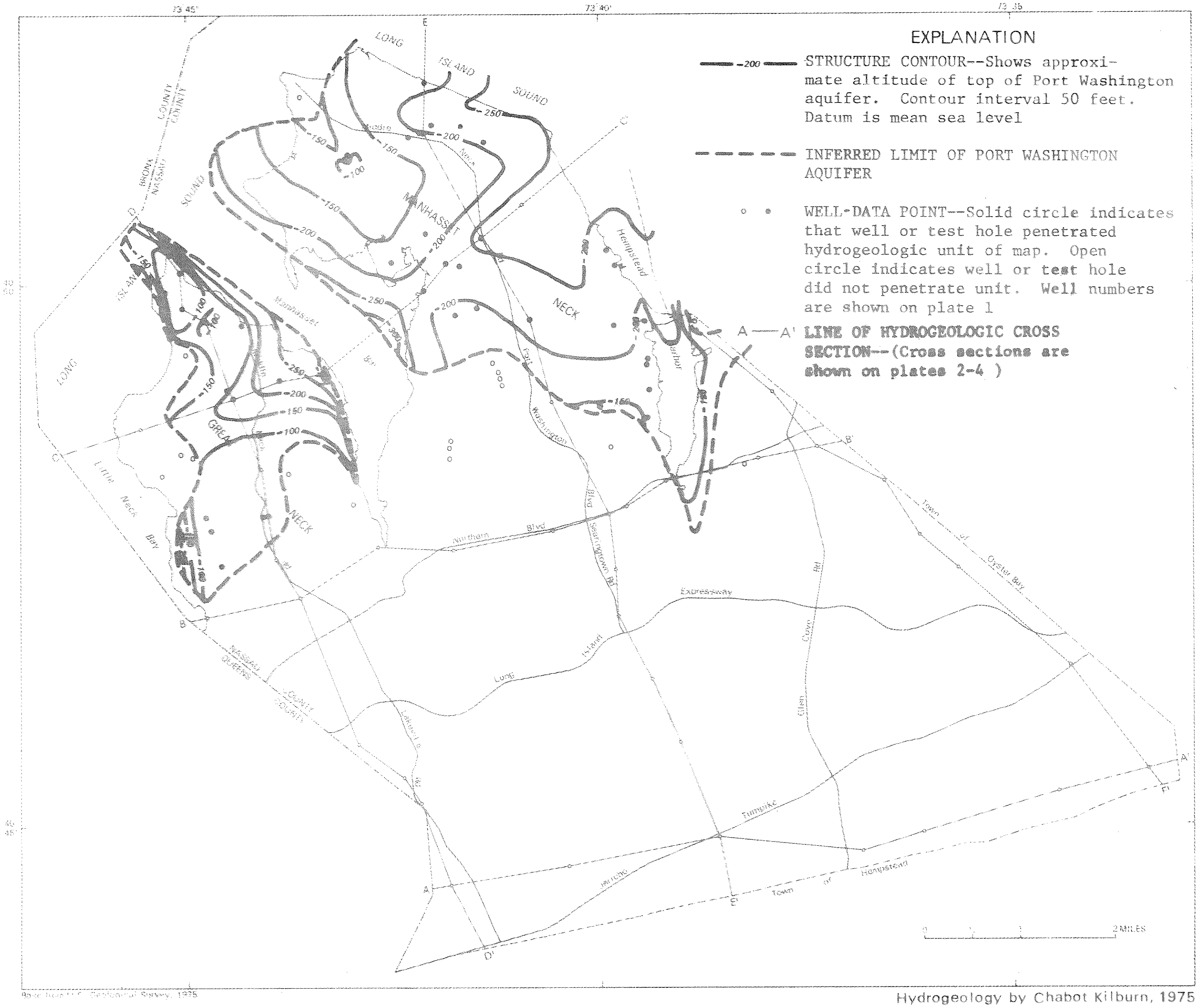


Figure 10.--Inferred extent, altitude, and configuration of top of Port Washington aquifer.

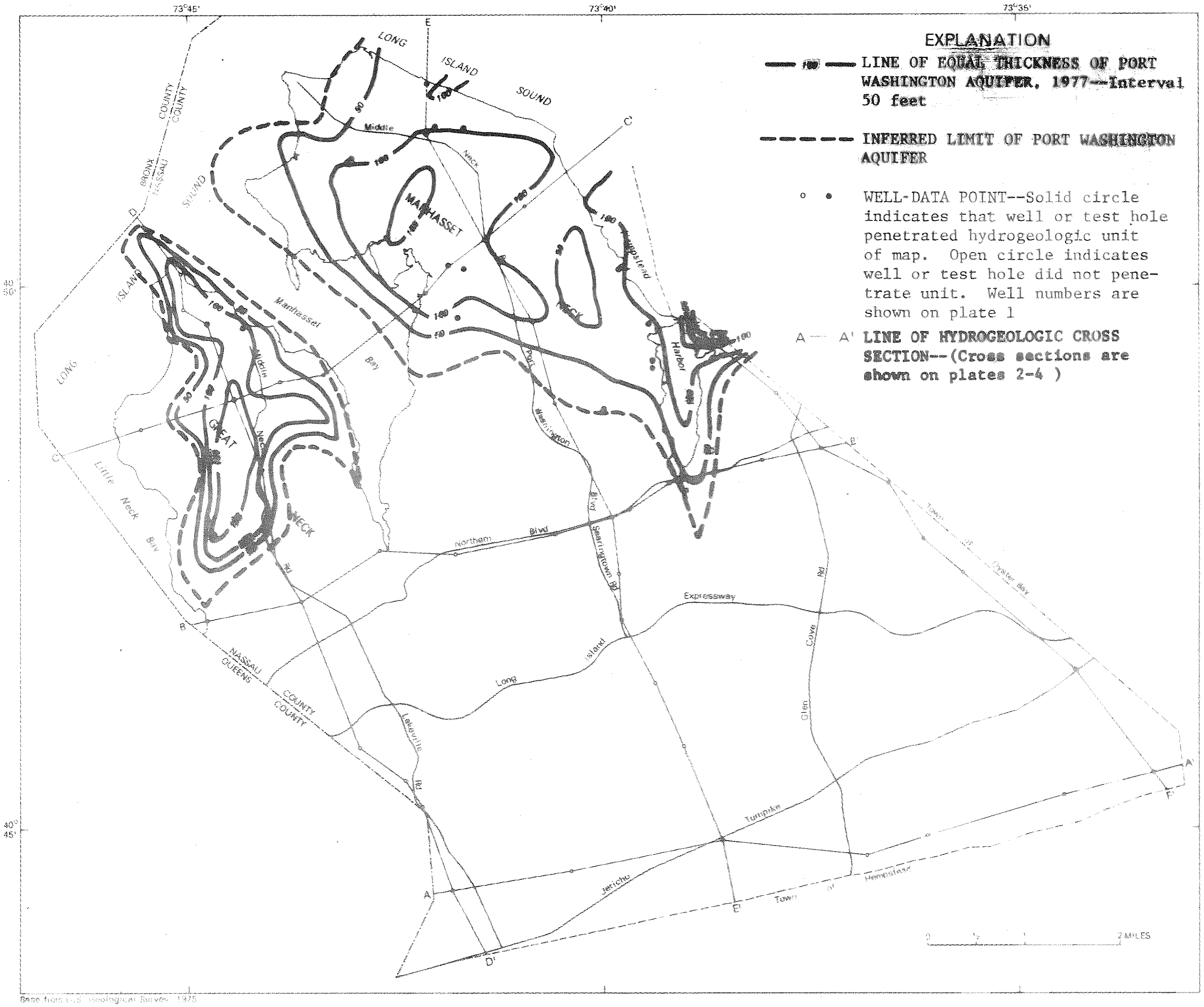


Figure 11.--Approximate thickness of Port Washington aquifer.

The difficulty in identification of the deposits in the Port Washington aquifer from drillers' logs and from core and other types of lithologic samples, and the uncertainty in determining the age of these deposits, has led to differing correlations of the geologic unit or units that form the aquifer. Most of these deposits were correlated with the Lloyd Sand Member of Late Cretaceous age by De Laguna and Perlmutter (1949). Swarzenski (1963, p. 4-6) seems to have correlated most of these deposits with the Jameco Gravel of Pleistocene age because they were beneath a clay sequence that locally contained marine fauna (Gardiners Clay). Swarzenski's map of Cretaceous deposits, and his sections (Swarzenski, 1963, pls. 3-6), imply that erosion has removed all Cretaceous deposits north of the limit shown on his map and sections.

The author believes it quite possible that not all Cretaceous deposits were removed from the area north of the inferred limits of the Lloyd aquifer and Raritan clay as shown in figures 3 and 5. In this area, erosional remnants of the Cretaceous deposits could be covered by deposits of Pleistocene age, and the Pleistocene deposits would overlie bedrock between the Cretaceous remnants. Therefore, the Port Washington aquifer could locally consist of remnants of the Lloyd Sand Member of the Raritan Formation or deposits of Pleistocene age, or a combination of the two.

The Port Washington aquifer is moderately to higly permeable and is a major aquifer in the northern parts of Great Neck and Manhasset Neck. The reported yields during pumping tests of five public-supply wells screened in the aquifer ranged from 305 gal/min to 1,200 gal/min. The specific capacities of the wells ranged from 6 gal/min per foot of drawdown to 21 gal/min per foot of drawdown. Water in the aquifer is confined beneath the Port Washington confining unit. The hydrogeologic relationships between the Port Washington aquifer and the abutting Lloyd, Magothy, and upper glacial aquifers, as shown in plates 2-4, suggest that these deposits could be in lateral hydraulic continuity. Potentiometric studies of the head in the Lloyd aquifer made by Swarzenski (1963) and Kimmel (1973) tend to verify a lateral hydraulic continuity between the Port Washington and Lloyd aquifers.

PORT WASHINGTON CONFINING UNIT

The name Port Washington confining unit is here given to a sequence of deposits of Pleistocene or Late Cretaceous to Holocene(?) age that occur locally along the north shore area of Nassau County. These deposits were called the Gardiners Clay by Swarzenski (1963) and Isbister (1966).

The name Port Washington confining unit is used in this report in preference to the name Gardiners Clay because the latter implies correlation, which is questionable, with the Gardiners Clay elsewhere on Long Island. The problems relating to the correlation of the Gardiners Clay are not considered in this report but have been discussed by Weiss (1954), Upson (1970), and Sirkin and Mills (1975).

The deposits that form the Port Washington confining unit overlie the Port Washington aquifer or overlap the adjacent Cretaceous units and may

also form part of the valley fill that occupies channels cut into the older Cretaceous deposits. The inferred extent, altitude, and configuration of the top of the Port Washington confining unit in the Town of North Hempstead are shown in figure 12. The continuity, composition, and lateral relationships of the unit with other adjacent hydrogeologic units are shown in plates 2 (section B-B') through 4 and in tables 2 and 3.

The Port Washington confining unit consists of clay and silt with scattered lenses of sand or sand and gravel. A fossiliferous zone, reported to contain Foraminifera, diatoms, and fragments of oyster and clam shells, occurs locally in the upper part of the clay sequence. (See figs. 4, 6, and Swarzenski, 1963, pls. 4-7.) Shell fragments are also occasionally reported from the lower parts of the unit, but this may be due to the caving of materials from the upper parts of the hole.

The top of the confining unit ranges in altitude from 19 ft above sea level in Great Neck to possibly more than 200 ft below sea level in a postulated buried valley underlying Manhasset Bay (fig. 12). Most of the upper surface of the unit in Great Neck is within the -50 ft contour, whereas in Manhasset Neck, most of the surface is 40 to 60 ft deeper--that is, within the -100 ft contour (pl. 3, section C-C' and fig. 13). The difference may be due in part to the effects of deformation by ice or to the thickness of younger clay beds of Pleistocene and Holocene(?) age that may occur only in Great Neck.

The confining unit (fig. 13) varies considerably in thickness because it was deposited upon the highly eroded surface of the Port Washington aquifer and because its upper surface has likewise been eroded. The maximum thickness penetrated by wells in Manhasset Neck is about 190 ft, in well N 6095 in Port Washington, whereas in Great Neck, in well N 290, it is 234 ft. However, the reliability of the driller's log of well N 290 is uncertain.

Difficulties in recognition and correlation of the geologic units that form the Port Washington aquifer apply also to the Port Washington confining unit. Earlier correlations such as those by de Laguna and Perlmutter (1949) considered the deposits (included within the confining unit in this report) to be mainly the clay member of the Raritan Formation and some upper Pleistocene deposits. Swarzenski (1963, pls. 4-7) seems to have considered the deposits to consist mainly of the Gardiners Clay. Swarzenski (1963, p. 22) does state, however, that the "top of the Gardiners Clay commonly is recognized with difficulty, particularly where the formation is overlain directly by fossiliferous marine clays of Recent age." He did not, however, indicate the areas where these younger clays occur.

The author believes that the Port Washington confining unit is probably composed of deposits mainly of Pleistocene and Holocene(?) age but that may also locally contain erosional remnants of the clay member of the Raritan Formation, and that these deposits together form a distinct hydrogeologic unit. The fossiliferous zone in the upper part of the confining unit, as shown on the log of well N 6095 in plate 3, section C-C', and plate 4, section E-E', may possibly be the equivalent of the Gardiners Clay that occurs elsewhere on Long Island.

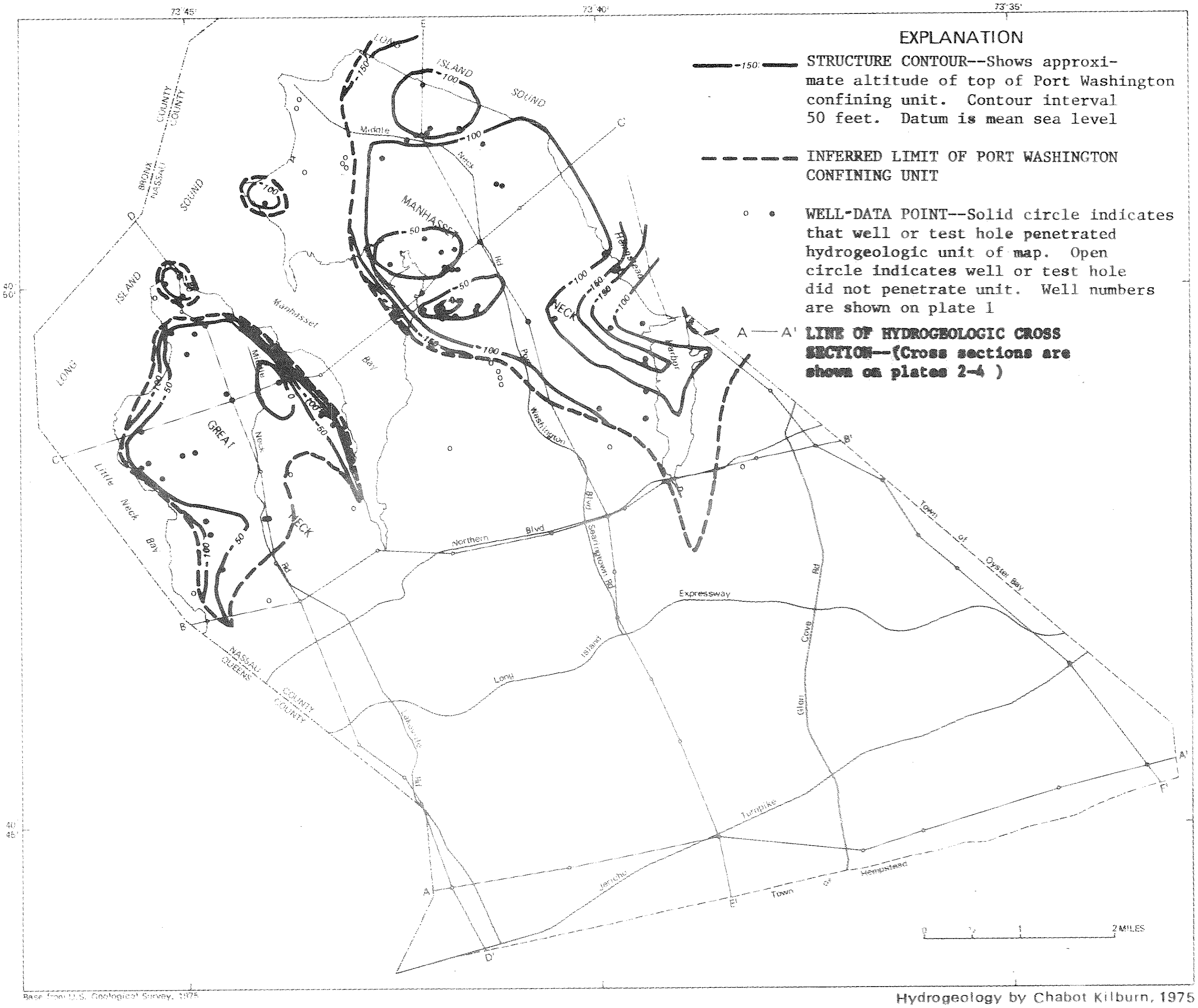


Figure 12.--Inferred extent, altitude, and configuration of top of Port Washington confining unit.

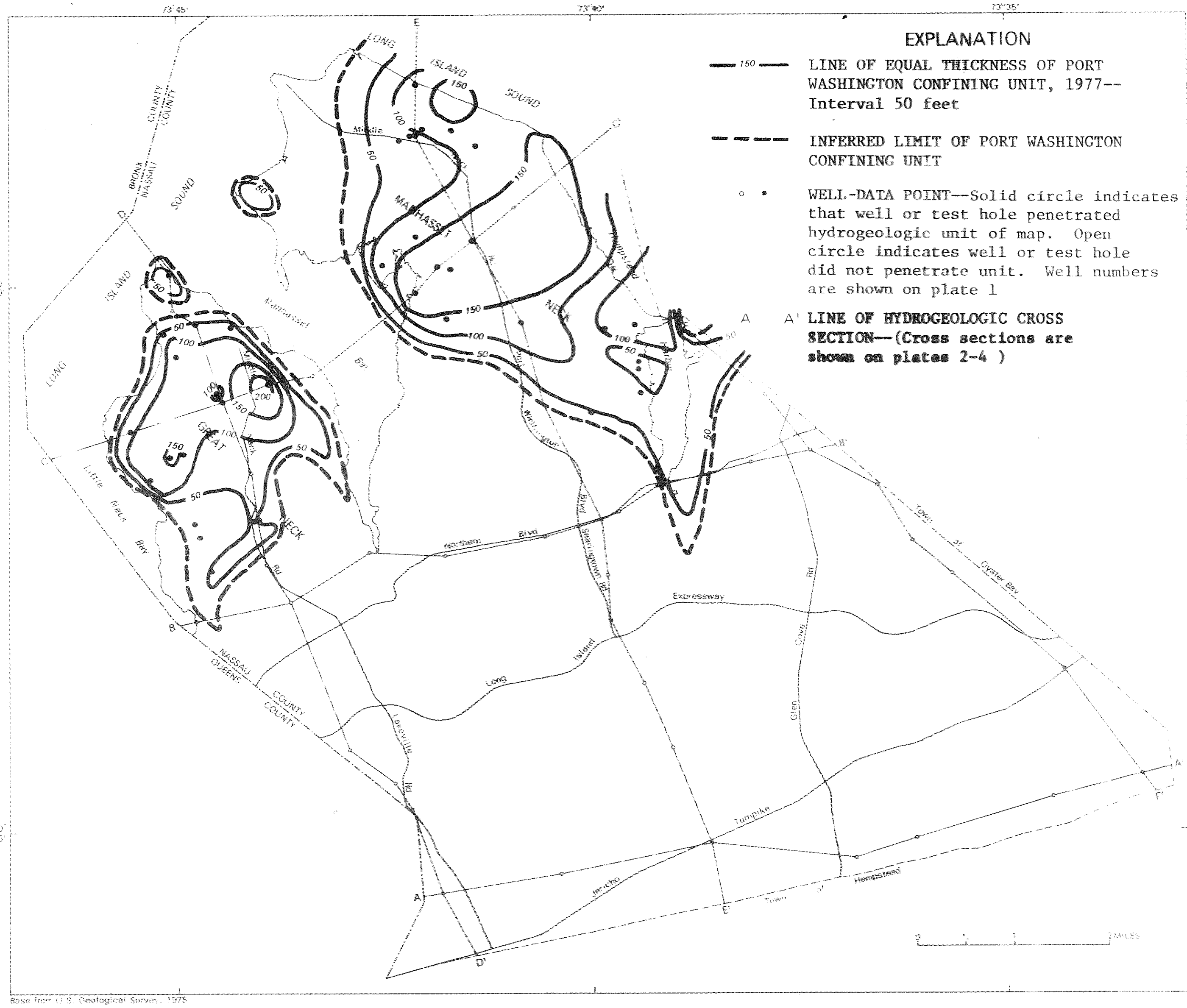


Figure 13.--Approximate thickness of Port Washington confining unit.

The interpretation and correlation of the Port Washington confining unit and the Port Washington aquifer sequences shown in plate 4, section E-E' on the log of well N 6089, differs from that shown by Swarzenski (1963) in his plate 6. Swarzenski (1963, p. 16) considered the sequence shown as the Port Washington confining unit on the log of well N 6089 (plate 4, section E-E') in this report to be part of a silt and clayey sand facies within the clay member of the Raritan Formation. The correlation has been revised in this report because (1) a distinct lithologic change occurs just north of and along the inferred area of the Pleistocene-Cretaceous contact between wells N 6095 and N 4223 (pl. 4, section E-E'); (2) the sandy facies runs generally east-west along and parallel to the front of the Cretaceous deposits to the south; and (3) a sandy facies of this extent and thickness has not been found elsewhere within the clay member of the Raritan Formation in the north-shore area of Long Island.

The Port Washington confining unit confines the water in the underlying Port Washington aquifer. Swarzenski (1963, p. 23) considered the deposits that form the unit to be variable enough in thickness and lithology to permit local interchange of water with that of the adjacent aquifers. The sand and gravel deposits within the unit are tapped by some wells.

UPPER GLACIAL AQUIFER

The upper glacial aquifer consists of deposits of late Pleistocene and Holocene age that overlie the Gardiners Clay (de Laguna, 1948, p. 16). The upper glacial aquifer overlies the Magothy aquifer and the Port Washington confining unit and locally abuts against or overlies the Port Washington aquifer. The upper surface of the aquifer and these deposits form the present land surface, except where they are overlain by deposits of Holocene age or by landfill. The extent and relationships of these deposits to the adjacent hydrogeologic units are shown on plates 2 to 4.

The upper Pleistocene deposits are locally covered by a thin layer of Holocene deposits along the shore of Long Island Sound and its bays and along some streams, lakes, and upland marshes. The Holocene deposits are too thin to be differentiated in the sections.

The upper Pleistocene deposits consist of beds of fine to coarse stratified sand and gravel, boulder clay or till consisting of unstratified mixtures of clay and boulders, and some freshwater lake deposits composed of silt and clay (Perlmutter, 1949, p. 24).

The upper Pleistocene deposits in the Town of North Hempstead form two hydrologically significant areas--a northern area of moraine and a southern area of glacial outwash. The approximate boundary between the two areas, shown on plate 1, is taken from the surficial geology maps of Swarzenski (1963, pl. 8) and Isbister (1966, pl. 2).

The outwash area is underlain by stratified deposits of sand and gravel that may locally contain thin clay beds. These deposits have a high permeability and allow precipitation to percolate downward with relative ease to the water table and thence into the underlying aquifers.

The morainal area is underlain both at the surface and at depth by beds of till that can support perched water tables or retard the downward movement of water to the water table.

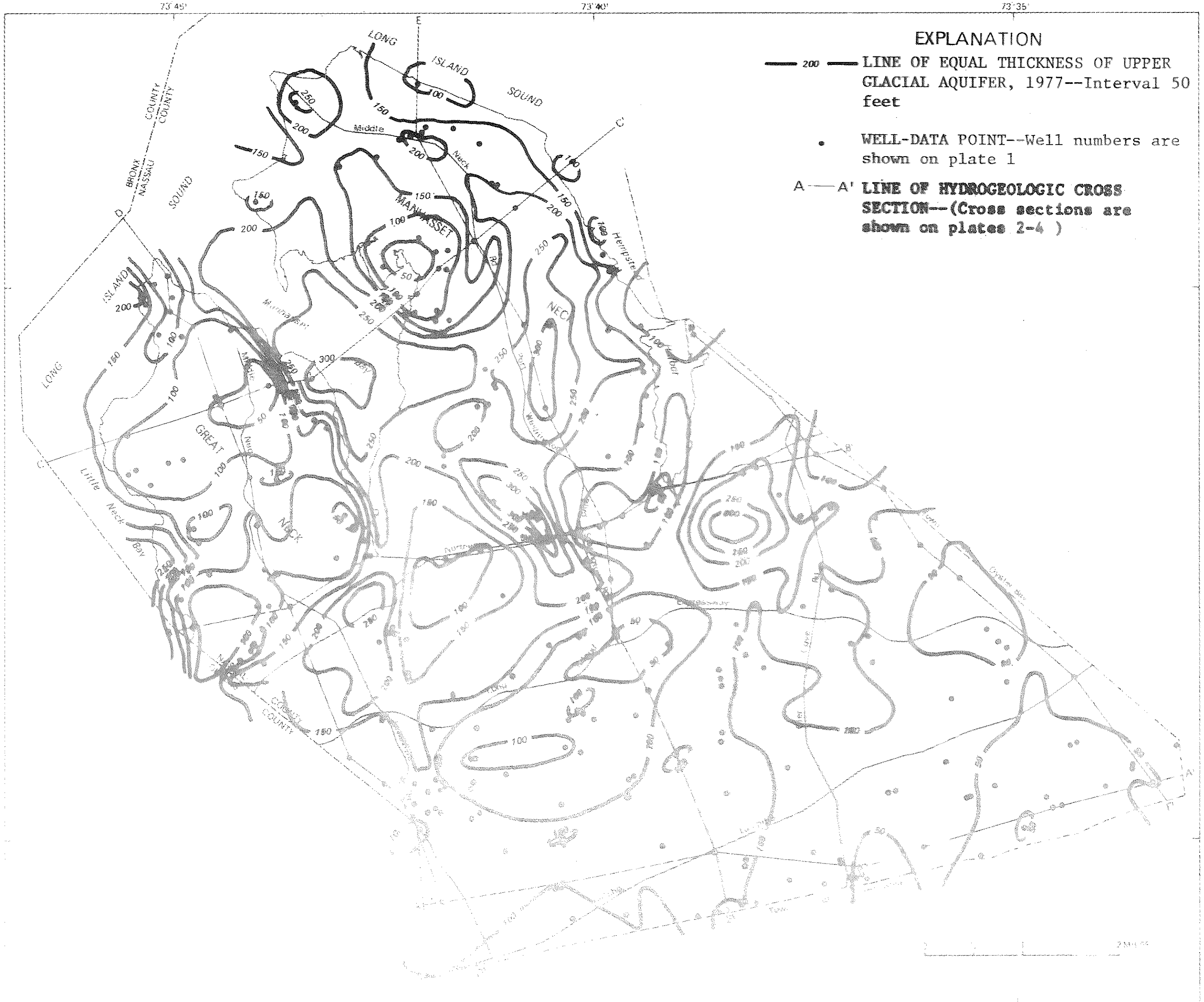
The deposits forming the upper glacial aquifer in the Town of North Hempstead range in thickness from 6 ft to more than 350 ft (fig. 14). This extreme variation is due to the uneven surface upon which the materials were deposited and because the upper surface of the deposits is the present irregular land surface. The deposits in the outwash area range in thickness from 14 ft to about 165 ft.

The upper glacial aquifer, as defined and used by the U.S. Geological Survey on Long Island, includes both the unsaturated and saturated parts of the upper Pleistocene deposits. The estimated saturated thickness of the aquifer in June 1976 is shown in figure 15. The upper surface of the saturated zone is the water table. As can be seen from figure 15, the upper Pleistocene deposits are locally unsaturated; in these areas the water table is in the underlying Magothy aquifer (pls. 2, 3 [section D-D'], 4; figs. 9 and 15).

Buried valleys that cut into the Cretaceous deposits in the sections (pl. 2 [section B-B'], pl. 3 [section D-D'], pl. 4 [section F-F']) and maps (figs. 3, 5, and 7) have been inferred from correlations of the well-log data and from the geologic history of the north-shore area of Long Island. These valleys may be important hydrologically because of their possible higher permeability, which would facilitate the movement of water between aquifers in response to differing hydrostatic heads within the aquifers. All deeper valleys shown on the figures and maps in this report have been previously mapped by Swarzenski (1963). Isbister (1966, pl. 3) and Jensen and Soren (1974, sheet 1) have reported similar buried valleys that have been cut deeply into or through the Cretaceous deposits.

The buried valley beneath Manhasset Bay, inferred from the driller's log of well N 291 (pl. 3, section C-C'), has been cut to at least 195 ft below sea level. The log shows that "quicksand" and very fine white sand were penetrated from 50 to 237 ft below land surface. This sand is considered to be part of the upper Pleistocene deposits that fill the valley. Sandbeds in similar stratigraphic position have been reported from wells N 23, N 216, and N 314 (pl. 1). The stratigraphic horizon occupied by this sand sequence, as shown in plate 3 (section C-C'), is one that was once probably occupied by clay of the Port Washington confining unit before it was removed by erosion. The valley is assumed to extend to bedrock because the underlying unconsolidated deposits would have been eroded with great ease. However, no data to support this assumption are as yet available.

Swarzenski (1963, pl. 3) postulated that other buried valleys had been cut into the Cretaceous deposits. Some of these were not substantiated during the present study. The buried valley on Swarzenski's plate 3, which extends south from the south end of Manhasset Bay, was apparently based on his interpretation and correlation of the log of well N 5710. The recorrelation of this log in the present study with those of nearby wells (pl. 1) suggests that the valley may not exist.



thickness of upper glacial aquifer.

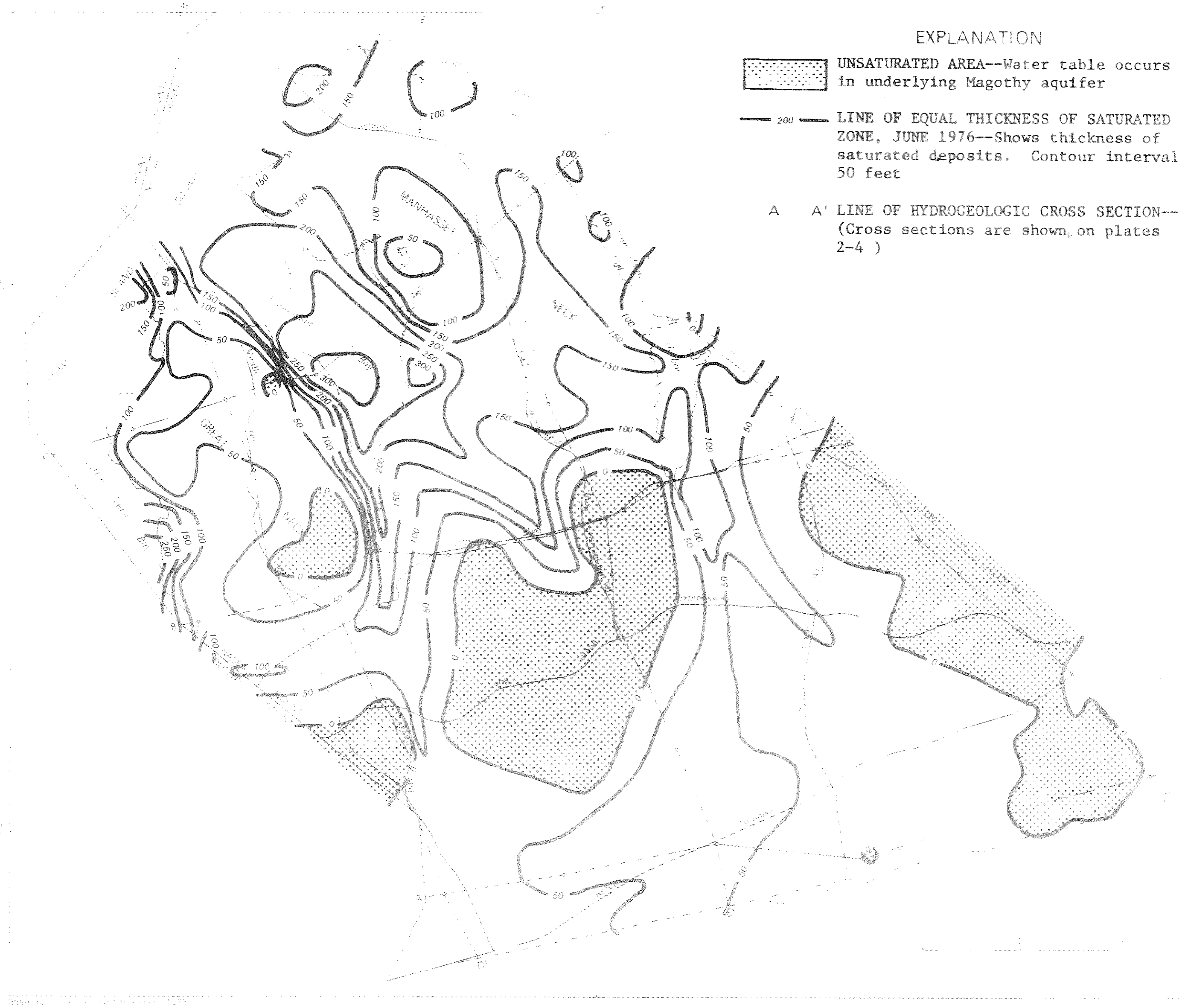


Figure 15.--Approximate thickness of saturated zone in upper glacial aquifer, Town of North Hempstead, June 1976.

Other correlations made by Swarzenski seem to be based in part on the assumption that some of the surficial deposits in parts of Great Neck and Manhasset Neck are of Cretaceous age. Recent studies of the exposures on Great Neck and Manhasset Neck by Sirkin (1968) and Sirkin and Mills (1975) indicate that these deposits are of Pleistocene age. Deposits exposed in the Port Washington sand pits adjacent to the west side of Hempstead Harbor have been shown by Mills and Wells (1974) to be structurally deformed and to consist of intercalated units of Pleistocene and Cretaceous age. The surficial deposits exposed on Great Neck and Manhasset Neck have, therefore, been considered in this study to be of Pleistocene age. Some of the well data used by Swarzenski were recorrelated during this study; the resulting changes are reflected in the maps and sections within this report.

Shallow buried channels that were cut into the top of the Cretaceous deposits by northward flowing streams extend south from the south ends of the buried valleys underlying Manhasset Bay and Hempstead Harbor (fig. 7). The channel extending south from Manhasset Bay seems to have drained most of the southwest corner of the Town of North Hempstead (Lake Success area). Data from wells in the area indicate that the channel did not extend farther to the south than shown in figure 7.

The channel extending south from Hempstead Harbor reaches to and beyond the southern boundary of the Town and bifurcates just north of the southern boundary. The southwest branch extends into Queens County; the east branch extends into the Town of Hempstead for an unknown distance.

The channels and the valleys that were not filled with deposits forming the Port Washington aquifer and confining unit have been filled and buried by upper Pleistocene deposits.

The upper glacial aquifer, which contains the water table in most of the area, is significant because it transmits all recharge to the underlying aquifers. Precipitation filtering downward to the water table is the principal source of ground-water recharge; the other large sources of recharge are septic-tank and cesspool effluent and infiltration from recharge basins.

In years past, the upper glacial aquifer was tapped as a water supply by many public-supply wells. However, since it has become largely polluted from cesspool effluents, fertilizers, and other sources, its use for public-supply purposes has nearly ceased. Wells tapping the aquifer are now used mainly to supply water for domestic use, irrigation, and commerical and industrial purposes.

The sand and gravel deposits in the upper glacial aquifer are highly permeable and yield large amounts of water to properly constructed wells. The yields of large-capacity public-supply wells screened in the aquifer have been reported by well drillers to range from 436 gal/min to 1,410 gal/min. Specific capacities of the wells ranged from 10 to 73 gal/min per foot of drawdown.

Sediments of Holocene (recent) age that have been deposited along beaches and bars, as alluvium along streams, in swamps and bogs, and in

the bottoms of the bays and lakes have not been differentiated from the upper glacial aquifer because they are too thin. These deposits may be hydrologically significant in that they locally retard the downward movement of saltwater from Long Island Sound and its bays into the underlying aquifers. In general, the deposits are not a source of freshwater because they are mostly above the water table or contain brackish or salty water.

SUMMARY

The ground-water reservoir underlying the Town of North Hempstead is composed of unconsolidated local deposits of Holocene age, glacial deposits of Pleistocene age, and coastal-plain deposits of continental and marine origin of Late Cretaceous age. The deposits consist of clay, silt, sand, and gravel. Weathered and crystalline bedrock of Lower Paleozoic and(or) Precambrian age underlies the unconsolidated deposits and forms the virtually impermeable base of the ground-water reservoir.

The Upper Cretaceous deposits in the Town of North Hempstead have been subdivided into three hydrogeologic units, which are, from oldest to youngest, the Lloyd aquifer, the Raritan clay, and the Magothy aquifer. These units are present throughout most of the Town and are recognized as distinct hydrogeologic units (figs. 3, 5, and 7). The deposits dip and thicken to the southeast; their maximum thickness in the Town of North Hempstead is about 950 ft.

The Lloyd aquifer (fig. 3) rests upon bedrock and consists of lenticular deposits of clay, silt, sandy clay, sand, and gravel. The top of the aquifer dips southeast from about 155 ft below sea level in Great Neck to more than 650 ft below sea level in the southeast corner of the Town of North Hempstead. The aquifer ranges from 0 to 205 ft in thickness. The average thickness, as determined from drillers' logs of 20 wells that have penetrated the full thickness of the aquifer, is 132 ft.

The Lloyd aquifer in the Town of North Hempstead is tapped by 15 public-supply wells, mainly in the north and westernmost parts of Town. Water in the aquifer is confined beneath the Raritan clay. In the Great Neck and Manhasset Neck areas, the aquifer is probably hydraulically continuous with adjacent hydrogeologic units of Pleistocene or Late Cretaceous and Pleistocene age.

The Raritan clay (fig. 5) is a significant confining unit that consists mainly of clay and silty clay and some sandy clay and sand in the upper part. The clay has a very low hydraulic conductivity but does not prevent movement of water between the overlying Magothy aquifer and the underlying Lloyd aquifer. The clay ranges from 0 to about 195 ft in thickness.

The Magothy aquifer (fig. 7) is the principal aquifer underlying the Town of North Hempstead. It consists mainly of lenticular beds of very fine to medium sand that are interbedded with beds of clay and sandy clay, silt, and some sand and gravel. Most of the clay is in the upper half of the unit. Beds of coarse sand with gravel are found at most, but not all, locations in the lower 100 to 150 ft of the unit. The aquifer reaches maximum thickness in the southeast corner of the Town, where its thickness is about 530 ft.

The large amount of clayey sediments in the upper half of the Magothy aquifer causes the water to become increasingly confined with depth. The hydrogeologic relationships between the Magothy aquifer and the adjacent aquifers of Pleistocene or Late Cretaceous and Pleistocene age (pl. 2, section B-B' and pls. 3 and 4) suggest that the units may be in close hydraulic continuity. Similarly, a high degree of hydraulic continuity probably exists in many areas between the Magothy and the overlying upper glacial aquifer.

The Cretaceous deposits in the north half of Great Neck and Manhasset Neck have been extensively eroded and probably have been removed from some areas. In their place is a thick sequence of deposits of Pleistocene and Holocene(?) age. These deposits and any remaining deposits of Cretaceous age have been subdivided into three hydrogeologic units, which are, from oldest to youngest, the Port Washington aquifer, the Port Washington confining unit, and the upper glacial aquifer. The Port Washington aquifer and Port Washington confining units, first identified and named in this report, are equivalent to the Jameco Gravel and Gardiners Clay, as mapped by Swarzenski (1963). The terms "Port Washington aquifer" and "Port Washington confining unit" are used in this report in preference to the names Jameco Gravel and Gardiners Clay because the latter imply correlations, which are questionable, with deposits of those names elsewhere on Long Island.

The Port Washington aquifer (fig. 10) consists mainly of sand or sand and gravel and varying amounts of interbedded clay, silt, and sandy clay. The deposits either rest upon bedrock or overlap or abut against the adjacent Cretaceous units (pl. 2, section B-B', and pls. 3 and 4). Locally they occur as valley fill in channels cut into the Cretaceous deposits. The deposits are probably thickest in the central parts of Great Neck and Manhasset Neck, where they average well over 100 ft in thickness. The Port Washington aquifer is a major source of freshwater in the Great Neck and Manhasset Neck areas. Water in the aquifer is confined by the overlying Port Washington confining unit. The hydrogeologic relationships between this aquifer and the Lloyd and upper glacial aquifers suggest that the aquifers are in hydraulic continuity.

The Port Washington confining unit (fig. 12) overlies the Port Washington aquifer and is in turn overlain by deposits that form the upper glacial aquifer. The deposits that form the confining unit locally overlap the adjacent Cretaceous units and constitute part of the upper valley fill in channels cut into the Cretaceous units (pl. 2, section B-B', pl. 3, section D-D', and pl. 4). The deposits consist of clay and silt with scattered lenses of sand or sand and gravel. Their maximum thickness is about 190 ft in Manhasset Neck and 234 ft in Great Neck.

The top of the confining unit in much of Great Neck ranges in altitude from 19 ft above sea level to about 50 ft below sea level, whereas in much of Manhasset Neck, the top of the confining unit is 40 ft to 60 ft lower and ranges from 36 ft to about 100 ft below sea level. The top of the unit on Manhasset Neck, however, is normally 50 ft to 100 ft below sea level.

The upper glacial aquifer consists of deposits of late Pleistocene and Holocene age that overlie the Magothy aquifer and the Port Washington confining unit and that locally abut against or overlie the Port Washington aquifer (pls. 2-4). The top of the upper Pleistocene deposits is the present land surface, except where they are locally overlain by thin deposits of Holocene age.

The upper Pleistocene deposits are composed of beds of fine to coarse stratified sand and gravel, boulder clay, or tills, consisting of unstratified mixtures of clay and boulders, and some freshwater lake deposits of silt and clay (Perlmutter, 1949, p. 24). The deposits in the Town of North Hempstead can be divided into two hydrologically significant areas on the basis of general lithologic composition. The southermost part of the Town is underlain by highly permeable glacial outwash consisting of stratified sand and gravel and occasional thin clay beds; the rest of the Town is underlain by glacial moraine that consists of sand and gravel, boulder clay, till, and lake deposits.

The deposits forming the upper glacial aquifer range in thickness from 6 ft to more than 350 ft. The extreme variation in thickness results from the highly eroded surface upon which these materials were deposited and the irregularity of their upper surface, which is the present land surface. The outwash deposits range in thickness from 14 ft to about 165 ft. The estimated thickness of the saturated zone in the aquifer during June 1975 ranged from 0 to about 350 ft.

The upper glacial aquifer is the source of all recharge to the underlying aquifers but is also a source of contamination because it receives large amounts of cesspool effluent and surface pollutants, which percolate down to the water table.

The aquifer was tapped in the past by many public-supply wells. However, since it has become polluted it is tapped only sparsely as a public supply. The aquifer is now tapped mainly by domestic, irrigation, commercial and industrial wells.

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Table 3.--Well-completion Data on Selected Wells and Test Holes in Town of North Hempstead, Nassau County, New York

Table 3

EXPLANATION OF COLUMNAR DATA AND ABBREVIATIONS

Well Number

Well numbers are assigned by the New York State Department of Environmental Conservation. The prefix N designates Nassau County.

Owner or Well User

The owner or well user is in most cases the name shown on the completion report that was sent to the New York State Department of Environmental Conservation by the driller. During this study, it was found that many of the wells have changed ownership or user. New owners or well users are listed if known.

The following abbreviations are used in the "owner/user" column:

310 N. BLVD. CORP	310 Northern Boulevard Corp.
AMER. IMP. PROD.	American Improved Products Inc.
ARCO ELEC. CORP	Arco Electronics Inc.
ASHER BROS. INC	Asher Brothers Inc.
ASSOC	Associates or association
ASSOC. FOOD ST	Associated Food Stores Co-Op Inc.
AUTRONIC PLAS	Autronic Plastics Inc.
CALD.-MIN. THEA	Calderone-Mineola Theatre Corp.
CC	Country club
CHAMINADE H SCH	Chaminade High School
CO	Company
CON LITHO CORP	Consolidated Lithographing Corp.
CONST. UNLIM	Construction Unlimited Inc.
CORP	Corporation
CROSSMAN CADIL	Crossman Cadillac Inc.
EST	Estate(s)
ET AL	And others
GARD. CTY PK WD	Garden City Park Water District
GC	Golf Club
GEON INTERNAT	Geon International Corp.
GREAT NECK SD	Great Neck Sewer District
GREAT NECK VIL	Village of Great Neck
HOLY ROOD CTRY	Holy Rood Cemetery
INC	Incorporated
INSUL-CUP	Insul-Cup of America
LAB. FURNITURE	Laboratory Furniture Co., Inc.
LEASE PLAN INT	Lease Plan International

Owner or Well User (Continued)

MANH.-LAKE WD	Manhasset-Lakeville Water District
MANH. STEAM LDY	Manhasset Steam Laundry
MEADOWBROOK BK	Meadowbrook Bank
MERCHANT MAR AC	U.S. Merchant Marine Academy
METRO. S AND G	Metropolitan Sand and Gravel Co.
NASSAU CO DPW	Nassau County Department of Public Works
NASSAU ELEC POW	Nassau Electric Light and Power Co.
N. HEMP. CC	North Hempstead Country Club Inc.
OLD WEST. GARD	Old Westbury Gardens Inc.
PENN STEV. CORP	Penn Stevedoring Corp.
PLANDOME ASSOC	Plandome Property Association Inc.
PORT WASH. SD	Port Washington Sewer District
PORT WASH. WD	Port Washington Water District
PUB. CLEAR. HSE	Publishers Clearing House
REAL AND DIVER	Real and Diversified Co.
RLTY	Realty
SANDS POINT CDS	Sands Point Country Day School
SCH	School
SPERRY GYRO. CO	Sperry Gyroscope Co., Inc.
THEA	Theater
THOMSON IND	Thomson Industries Inc.
U.S. GEOL SURV	U.S. Geological Survey
WD	Water district
WHEATLEY HLS GC	Wheatley Hills Golf Club
WTR	Water

Map Coord

Locations of wells are given by map coordinates, based on a latitude and longitude grid system, to aid the reader in locating the wells shown in plate 1. In this system, 5-minute intervals of latitude are lettered consecutively from south to north, and 5-minute intervals of longitude are numbered consecutively from west to east. The grid coordinates are shown along the margins of plate 1.

Year Completed

Year completed refers to the year in which the well was reported to have been completed or accepted by the original well owner. It may not always be the year in which the well was actually drilled, however.

EXPLANATION OF COLUMNAR DATA AND ABBREVIATIONS (Continued)

Altitude of Land-Surface Datum (LSD) (feet above mean sea level)

The altitude of land surface at the well was estimated from U.S. Geological Survey 7½-minute quadrangle topographic maps. At most observation wells, however, land-surface elevation was estimated from spirit leveling of the altitude of the measuring points of the wells and is probably accurate to the nearest foot.

Use of Water

The following abbreviations indicate the primary purpose for which water from the well is used.

ARCD	air conditioning	IRR	irrigation
COM	commerical	OTHR	other
DOM	domestic	P.S.	public supply
INST	institutional	RECH	recharge
IND	industrial	UNSD	unused

Use of Well

The following abbreviations indicate the principal use of the well or the purpose for which the well or hole was drilled.

DEST	well or hole destroyed	TEST	test hole
OBS	observation well	UNSD	well unused
RECH	recharge water	WTDR	withdrawal of water

Depth of Well

The figures give well depth or total depth of the drilled test hole, in feet below land surface.

Screen Setting and Total Screen Length

The altitudes of the top and bottom of the screened interval are given in feet above or below (-) mean sea level. The total length of screen or perforated pipe in that interval is given in feet. In some wells, screen was set at two or more intervals; in such cases the differences between the altitudes of the two screen settings is different from the total screen length.

Diameter of Well

The diameter of the well is the nominal inside diameter of the smallest or innermost casing at land surface, in inches.

Water Level (feet below land-surface datum)

The water level given is the reported original static water level, in feet above or below land surface, when the well was completed.

Date of Measurement

The date of water-level measurement is given by month (M), day (D), and year (Y).

Life Type

The following abbreviations indicate the type of pump or other conveyance used to bring water to the surface.

CENT	centrifugal	TURB	turbine
JET	jet	NONE	no pump in well
SUBM	submersible	OTHR	some other type of lift

Aquifer Developed

The following abbreviations indicate the hydrogeologic unit that yields water to the well. Where two or more units yield water to the well, the probable principal unit is given.

UPGLAC	Upper glacial aquifer
PTWCU	Port Washington confining unit
PTWAQ	Port Washington aquifer
MAGOTHY	Magothy aquifer
LLOYD	Lloyd aquifer

Specific Capacity

The value in this column is the number of gallons per minute pumped from the well per foot of drawdown in the well, as reported by drillers.

Abbreviations

COORD	coordinates	IN	inches
D	day	LSD	land surface datum
DIAM	diameter	M	month
FT	feet	MEAS	measurement
GPM/FT	gallons per minute pumped per foot of drawdown in well	MSL	mean sea level
		Y	year

Table 3.--*Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York*

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 14	JAMAICA WTR CO	C 5	1925	99	P.S.	WTDR	108	14 TO -7	21	26	44	02-04-25	TURB	UPGLAC	46
N 15	JAMAICA WTR CO	C 5	1928	116	P.S.	WTDR	106	35 TO 14	21	26	59	06-21-28	TURB	UPGLAC	58
N 16	PREMIUM ICE CO	C 5	1936	89	IND	WTDR	445	-290 TO -350	60	16	32	09-22-36	TURB	MAGOTHY	18
N 17	JAMAICA WTR CO	C 5	1931	101	UNSD	DEST	100	36 TO 11	25	26	45	05-28-31	NONE	UPGLAC	98
N 17	JAMAICA WTR CO	C 5	1937	101	P.S.	WTDR	470	-304 TO -364	60	20	44	06-17-37	TURB	MAGOTHY	10
N 19	F.SCHUMACHER	D 5	1935	121	UNSD	DEST	121	34 TO 14	20	12	70	07-00-35	NONE	MAGOTHY	
N 20	DEEPDALE CC	D 5		210	UNSD	DEST	216						NONE	MAGOTHY	
N 22	CITIZENS WTR CO	D 5	1928	16	P.S.	WTDR	150	-110 TO -129	19	18	FLOWING	02-28-28	TURB	MAGOTHY	
N 23	CITIZENS WTR CO	D 5	1937	18	UNSD	TEST	467						NONE		
N 23	CITIZENS WTR CO	D 5	1937	18	UNSD	DEST	434	-386 TO -416	30	8	9	07-01-37	TURB	LLOYD	10
N 24	MANH.-LAKE. WD	D 5	1931	12	UNSD	TEST	460						NONE		
N 24	MANH.-LAKE. WD	D 5	1931	12	P.S.	WTDR	428	-348 TO -416	40	18	FLOWING	02-00-32	TURB	LLOYD	
N 24	MANH.-LAKE. WD	D 5	1955	12	P.S.	WTDR	421	-347 TO -407	60	18			TURB	LLOYD	
N 25	MANH.-LAKE. WD	D 5		14	UNSD	UNSD	147			8			NONE	UPGLAC	
N 27	CARLTON CORP	D 5	1936	100	ARCD	WTDR	225	-111 TO -125	14	8	71	11-17-36	TURB	UPGLAC	16
N 28	PLANDOME	D 5	1934	31	P.S.	WTDR	137	-81 TO -106	25	12	5.5	10-00-34	TURB	UPGLAC	
N 29	PLANDOME	D 5	1934	29	P.S.	WTDR	209			12			TURB	UPGLAC	
N 30	CITIZENS WTR CO	D 5	1928	18	P.S.	WTDR	206	-146 TO -185	39	12	7.5	04-23-28	TURB	PTWAQ	6
N 31	CITIZENS WTR CO	D 5	1931	9	UNSD	TEST	372						NONE		
N 31	CITIZENS WTR CO	D 5	1931	9	P.S.	WTDR	236	-174 TO -220	46	18	FLOWING	06-29-31	TURB	PTWAQ	
N 33	PORT WASH. WD	E 5	1936	20	UNSD	DEST	372	-252 TO -352	100	16	22	02-14-36	NONE	PTWAQ	9
N 34	PORT WASH. WD	E 5	1934	23	UNSD	DEST	167						NONE	UPGLAC	
N 35	PORT WASH. WD	E 5	1934	20	UNSD	OBS	387	-267 TO -367	100	16	17	03-00-34	NONE	PTWAQ	18
N 36	SANDS POINT	E 5	1937	46	UNSD	TEST	280						NONE		
N 36	SANDS POINT	E 5	1937	46	P.S.	WTDR	216	-154 TO -168	14	12	38	06-24-37	TURB	PTWAQ	14
N 37	SANDS POINT	F 5	1937	52	P.S.	WTDR	140	-68 TO -88	20	12	40	08-28-37	TURB	UPGLAC	26
N 38	NASSAU COUNTY	E 5	1934	85	UNSD	UNSD	422	-296 TO -311	15	8	68	12-11-34	TURB	UPGLAC	4
N 39	SANDS POINT	F 5	1935	17	UNSD	DEST	138	-117 TO -121	4	4	4	12-00-34	NONE	UPGLAC	
N 97	MINEOLA	C 6	1927	114	P.S.	WTDR	375	-196 TO -255	59	16	50	06-09-27	TURB	MAGOTHY	33
N 98	MINEOLA	C 6	1927	114	UNSD	UNSD	369	-194 TO -252	58	18	45.4	06-22-27	TURB	MAGOTHY	
N 101	WESTBURY WD	D 6	1943	108	UNSD	TEST	399						NONE		
N 101	WESTBURY WD	D 6	1943	108	UNSD	TEST	335	-180 TO -220	40	18	41	11-16-43	TURB	MAGOTHY	23
N 101	WESTBURY WD	D 6	1970	108	P.S.	WTDR	341	-172 TO -233	61	18			TURB	MAGOTHY	
N 102	WHEATLEY HLS GC	D 6	1935	115	IRR	WTDR	92	44 TO 24	20	12	34	11-19-35	TURB	UPGLAC	25
N 103	WILLISTON PARK	D 6	1929	127	UNSD	DEST	240	-68 TO -108	40	18			NONE	MAGOTHY	
N 103	WILLISTON PARK	D 6	1941	127	P.S.	WTDR	389	-203 TO -253	50	14	58	04-30-40	TURB	MAGOTHY	17
N 104	WILLISTON PARK	D 6		136	UNSD	DEST	250	-69 TO -109	40	18			NONE	MAGOTHY	
N 104	WILLISTON PARK	D 6	1930	136	P.S.	WTDR	377	-189 TO -240	51	18	64	03-24-30	TURB	MAGOTHY	38
N 105	OLD WESTBURY	D 6	1935	154	UNSD	TEST	507						NONE		
N 105	OLD WESTBURY	D 6	1935	154	UNSD	OBS	462	-258 TO -298	40	12	81	08-22-35	TURB	MAGOTHY	14

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 111	L.I.LIGHTING CO	D 6	1915	11	UNSD	UNSD	405	-371 TO -391	20	8			NONE	LLOYD	
N 152	OLD WESTBURY	D 7	1940	141	P.S.	WTDR	484	-297 TO -337	40	12	60	08-12-35	TURB	MAGOTHY	19
N 206	H.R.GILBERT	D 4		40	UNSD	DEST	104						NONE	UPGLAC	
N 209	H.R.GILBERT	D 4		20	UNSD	DEST	60						NONE	UPGLAC	
N 215	W.H.ARNOLD	D 4		30	UNSD	DEST	159			2			NONE	UPGLAC	
N 216	MRS.M.F.SCOTT	D 4		30	UNSD	DEST	512			8				UPGLAC	
N 217	MRS.M.F.SCOTT	F 4		43	UNSD	DEST	164							UPGLAC	
N 218	G.B.WILSON	D 4		8	UNSD	DEST	108			2.50			NONE	UPGLAC	
N 263	NASSAU COUNTY	D 5		171	UNSD	DEST	755						NONE	LLOYD	
N 268	A.KIEFER	D 5		172	UNSD	DEST	116			36			NONE	MAGOTHY	
N 270	W.J.HAMILTON	D 5		18	UNSD	DEST	136			2.50			NONE	MAGOTHY	
N 272	NEW YORK STATE	D 5		65	UNSD	DEST	79			2			NONE	MAGOTHY	
N 273	J.R.HIXON	D 5		58	UNSD	DEST	93			2.50			NONE	MAGOTHY	
N 284	H.LUSTGARTEN	D 5		155	UNSD	DEST	122						NONE	UPGLAC	
N 286	NEW YORK STATE	D 5		98	UNSD	DEST	88			2			NONE	MAGOTHY	
N 287	GREAT NECK SCH	D 5		84	UNSD	DEST	52						NONE	UPGLAC	
N 290	H.R.BOOTH	D 5		25	UNSD	DEST	240						NONE	PTWAQ	
N 291	H.B.ANDERSON	D 5		41	UNSD	DEST	237						NONE	UPGLAC	
N 296	R.COX	D 5		80	UNSD	DEST	107						NONE	UPGLAC	
N 297	R.SEIZER	D 5		8	UNSD	DEST	113			3			NONE	UPGLAC	
N 298	C.VANDERBILT	D 5		48	UNSD	DEST	80			32				UPGLAC	
N 300	NEW YORK STATE	D 5		100	UNSD	DEST	87			2			NONE	UPGLAC	
N 303	T.VALENTINE	D 5		16	UNSD	DEST	129			32			NONE	UPGLAC	
N 306	T.E.WEBB	D 5		72	UNSD	DEST	207			4			NONE		
N 310	C.H.MASON	E 5		112	UNSD	DEST	83						NONE	UPGLAC	
N 312	DODGE ESTATE	E 5		125	UNSD	DEST	91						NONE	UPGLAC	
N 314	G.ZABRISKIE	E 5		60	UNSD	DEST	250			6			NONE	UPGLAC	
N 317	HOWARD GOULD	E 5		100	UNSD	DEST	169						NONE	UPGLAC	
N 318	R.COCKRAN	E 5		8	UNSD	DEST	354			2			NONE	UPGLAC	
N 373	R.L.COTTNET	D 6		149	UNSD	DEST	180			6			NONE	MAGOTHY	
N 374	J.F.D.LANIER	D 6		205	UNSD	DEST	103						NONE	MAGOTHY	
N 375	J.A.ALBERTSON	D 6		182	UNSD	DEST	150			5			NONE	MAGOTHY	
N 377	H.R.DURYEA	D 6		200	UNSD	DEST	343			6			NONE	MAGOTHY	
N 381	S.MORTIMER	D 6		300	UNSD	DEST	300			8			NONE	UPGLAC	
N 384	NASSAU ELEC POW	D 6		132	UNSD	DEST	250			8			NONE	MAGOTHY	
N 395	COLONIAL SAND	E 6		16	UNSD	DEST	98						NONE		
N 558	MANH. STEAM LDY	D 5	1937	44	COM	WTDR	182	-128 TO -138	10	6			TURB	MAGOTHY	7
N 578	MINEOLA	C 6	1937	112	P.S.	WTDR	407	-238 TO -288	50	18	50	12-30-37	TURB	MAGOTHY	24
N 592	ST.IGNATIUS	D 6	1938	228	INST	WTDR	404	-149 TO -176	27	10	165	03-26-38	TURB	MAGOTHY	15
N 599	PLANDOME GC	D 5	1937	76	UNSD	DEST	454	-335 TO -378	43	10	61.5	03-11-37	TURB	LLOYD	11

Table 3.--Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 631	F.ZAHN	E 5	1938	80	DOM	WTDR	117	-32 TO -37	5	4	73	00-00-38		UPGLAC	
N 650	GARD. CTY PK WD	D 6	1939	108	P.S.	WTDR	350	-198 TO -238	40	12	40	02-20-39	TURB	MAGOTHY	
N 651	GARD. CTY PK WD	D 6	1939	105	P.S.	WTDR	348	-195 TO -235	40	12	40	01-25-39	TURB	MAGOTHY	13
N 656	METRO. S AND G	D 6	1925	20	UNSD	DEST	400			8			NONE	LLOYD	
N 657	NORTH HEMPSTEAD	D 6	1935	10	UNSD	OBS	232			8			NONE		
N 658	NORTH HEMPSTEAD	D 6	1920	10	UNSD	DEST	249			4			NONE	PTWAQ	
N 662	NORTH HEMPSTEAD	D 6	1939	11	UNSD	OBS	364	-336 TO -352	16	8	FLOWING	04-21-39	NONE	LLOYD	
N 675	PORT WASH. SD	D 5	1939	10	UNSD	UNSD	290	-259 TO -276	17	8	8	07-13-39	NONE	PTWAQ	7
N 687	CITIZENS WTR CO	D 5	1939	8	UNSD	TEST	370						NONE		
N 687	CITIZENS WTR CO	D 5	1939	8	P.S.	WTDR	314	-271 TO -301	30	28	16	08-19-39		LLOYD	7
N 700	CITIZENS WTR CO	D 5	1935	50	P.S.	WTDR	70	0 TO -20	20	27			TURB	UPGLAC	
N 701	CARLTON CORP	D 5	1936	99	RECH	RECH	215	-99 TO -116	17	8			NONE		
N 703	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 704	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 707	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 708	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 718	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			8			NONE	UPGLAC	
N 719	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 720	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 724	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 750	WESTBURY WD	D 6		110	RECH	RECH	368			8			NONE	MAGOTHY	
N 819	PORT WASH. WD	E 5		22	UNSD	DEST	84	-52 TO -62	10	10			NONE	UPGLAC	
N 820	PORT WASH. WD	E 5		19	UNSD	DEST	87	-51 TO -68	17	12			NONE	UPGLAC	
N 821	PORT WASH. WD	E 5		19	UNSD	DEST	90			16			NONE	UPGLAC	
N 822	PORT WASH. WD	E 5		20	UNSD	DEST	90			16			NONE	UPGLAC	
N 823	PORT WASH. WD	E 5		19	UNSD	DEST	90			16			NONE	UPGLAC	
N 824	PORT WASH. WD	E 5		21	UNSD	DEST	392			14			NONE	PTWAQ	
N 825	PORT WASH. WD	E 5		19	UNSD	DEST	394			16			NONE	PTWAQ	
N 826	PORT WASH. WD	E 5		18	UNSD	DEST	372			16			NONE	PTWAQ	
N 827	WESTBURY WD	D 6		109	UNSD	DEST	240			8			NONE	MAGOTHY	
N 828	WESTBURY WD	D 6		110	UNSD	DEST	350			8			NONE	MAGOTHY	
N 829	WESTBURY WD	D 6		110	UNSD	DEST	243			8			NONE	MAGOTHY	
N 829	WESTBURY WD	D 6	1950	110	UNSD	DEST	260	-129 TO -143	14	8			NONE	MAGOTHY	
N 845	WESTBURY WD	D 6	1911	110	UNSD	OBS	204			12			NONE	MAGOTHY	
N 846	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 847	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 848	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 849	MANH.-LAKE. WD	D 5		8	UNSD	DEST							NONE	UPGLAC	
N 850	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 851	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 852	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 853	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 854	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 855	MANH.-LAKE. WD	D 5		8	UNSD	DEST							NONE	UPGLAC	
N 856	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 857	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 858	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 859	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 860	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 861	MANH.-LAKE. WD	D 5		8	UNSD	DEST							NONE	UPGLAC	
N 862	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 863	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 864	MANH.-LAKE. WD	D 5		8	UNSD	DEST							NONE	UPGLAC	
N 865	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 866	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 867	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 868	MANH.-LAKE. WD	D 5		8	UNSD	DEST							NONE	UPGLAC	
N 869	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 870	MANH.-LAKE. WD	D 5		8	UNSD	DEST	150			4			NONE	UPGLAC	
N 1031	P.WHITNEY EST.	D 5	1931	30	UNSD	DEST	170	-126 TO -140	24	10			NONE	UPGLAC	
N 1031	P.WHITNEY EST.	D 5	1951	30	UNSD	DEST	123	-88 TO -93	5	10			NONE	UPGLAC	
N 1032	P.WHITNEY EST.	D 5	1931	30	UNSD	UNSD	170	-126 TO -140	24	10			NONE	UPGLAC	
N 1033	P.WHITNEY EST.	D 5	1931	30	UNSD	DEST	170	-126 TO -140	24	10			NONE	UPGLAC	
N 1034	P.WHITNEY EST.	D 5	1931	30	UNSD	DEST	170	-126 TO -140	24	10			NONE	UPGLAC	
N 1101	NASSAU CO DPW	D 5	1936	50	UNSD	DEST	37			1.25	19.0	09-26-36	NONE	UPGLAC	
N 1101	NASSAU CO DPW	D 5	1953	50	UNSD	OBS	19	34 TO 31	3	1.25	3.09	03-23-53	NONE	UPGLAC	
N 1102	NASSAU CO DPW	D 5	1937	186	UNSD	DEST	140			2.50	130.85	10-13-37	NONE	UPGLAC	
N 1102	NASSAU CO DPW	D 5	1963	184	UNSD	OBS	166	23 TO 18	5	4	136.47	03-22-63	NONE	UPGLAC	
N 1103	NASSAU CO DPW	D 5	1937	146	UNSD	OBS	121			2	90.07	10-17-37	NONE	UPGLAC	
N 1104	NASSAU CO DPW	C 5	1937	125	UNSD	DEST	77			2	69.00	06-17-37	NONE	UPGLAC	
N 1104	NASSAU CO DPW	C 5	1963	125	UNSD	OBS	101			1.25	75.87	09-06-63	NONE	UPGLAC	
N 1105	NASSAU CO DPW	C 5	1937	108	UNSD	DEST	61			2	53.9	05-13-37	NONE	UPGLAC	
N 1105A	NASSAU CO DPW	C 5	1961	108	UNSD	DEST	75	36 TO 33	3	2.50	57.52	11-01-61	NONE	UPGLAC	
N 1105A	NASSAU CO DPW	C 5	1966	108	UNSD	OBS	87	24 TO 21	3	2.50	74.69	11-14-66	NONE	UPGLAC	
N 1117	NASSAU CO DPW	E 5	1938	18	UNSD	DEST	38			1.25	13.66	06-01-38	NONE	UPGLAC	
N 1117A	NASSAU CO DPW	E 5	1961	15	UNSD	OBS	25	-6 TO -10	4	1.25	5.62	07-12-61	NONE	UPGLAC	
N 1118	NASSAU CO DPW	E 5	1939	152	UNSD	DEST	131			2.50	60.00	03-27-39	NONE	UPGLAC	
N 1118A	NASSAU CO DPW	F 5	1961	147	UNSD	OBS	82	73 TO 65	8	4	65.22	07-27-61	NONE	UPGLAC	
N 1119	NASSAU CO DPW	D 5	1940	154	UNSD	UNSD	168	-9 TO -14	5	2.50	37.35	03-07-41	NONE	UPGLAC	
N 1120	NASSAU CO DPW	D 5	1939	117	UNSD	DEST	95			2.50	57.07	09-13-39	NONE	UPGLAC	

Table 3.--Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 1120	NASSAU CO DPW	D 5	1961	120	UNSD	DEST	89	37 TO 31	6	2.50	64.60	10-04-61	NONE	UPGLAC	
N 1120	NASSAU CO DPW	D 5	1964	116	UNSD	DEST	80	39 TO 36	3	1.25	65.92	08-13-64	NONE	UPGLAC	
N 1120	NASSAU CO DPW	D 5	1976	116	UNSD	OBS	100	21 TO 16	5	4	64.50	03-16-76	NONE	UPGLAC	
N 1121	NASSAU CO DPW	D 5	1939	220	UNSD	DEST	178	47 TO 42	5	2.50	154.82	03-07-40	NONE	MAGOTHY	
N 1121	NASSAU CO DPW	D 5	1965	220	UNSD	DEST	180	45 TO 40	5	2.50	176.00	02-23-66	NONE	MAGOTHY	
N 1122	NASSAU CO DPW	D 5	1938	179	UNSD	DEST	72			2.50			NONE	MAGOTHY	
N 1122	NASSAU CO DPW	D 5	1940	179	UNSD	DEST	139			4	111.10	05-20-40	NONE	MAGOTHY	
N 1123	NASSAU CO DPW	D 5	1938	142	UNSD	DEST	56			1.25	54.18	12-07-38	NONE	UPGLAC	
N 1123	NASSAU CO DPW	D 5	1940	145	UNSD	DEST	96	54 TO 49	5	2.50	72.90	05-15-40	NONE	MAGOTHY	
N 1123A	NASSAU CO DPW	D 5	1961	124	UNSD	DEST	72	55 TO 52	3	2.50	61.62	10-06-61	NONE	MAGOTHY	
N 1123A	NASSAU CO DPW	D 5	1965	125	UNSD	DEST	85	43 TO 40	3	2.50	74.49	10-06-65	NONE	MAGOTHY	
N 1123A	NASSAU CO DPW	D 5	1969	125	UNSD	OBS	93	35 TO 32	3	2.50	85.00	02-07-69	NONE	MAGOTHY	
N 1124	NASSAU CO DPW	C 5	1938	110	UNSD	DEST	60			1.25	51.20	12-01-59	NONE	UPGLAC	
N 1124	NASSAU CO DPW	C 5	1965	110	UNSD	OBS	71	42 TO 39	3	1.25	60.44	07-22-65	NONE	UPGLAC	
N 1125	NASSAU CO DPW	C 5	1937	94	UNSD	DEST	49			1.25	32.81	02-16-38	NONE	UPGLAC	
N 1125	NASSAU CO DPW	C 5	1964	95	UNSD	DEST	58	40 TO 37	3	1.25	43.25	07-14-64	NONE	UPGLAC	
N 1134	NASSAU CO DPW	D 6	1937	39	UNSD	OBS	33			1.25	17.74	10-21-37	NONE	UPGLAC	
N 1134A	NASSAU CO DPW	D 6		58	UNSD	DEST	25			2			NONE	UPGLAC	
N 1134A	NASSAU CO DPW	D 6	1965	56	UNSD	OBS	23	36 TO 33	3	1.25	8.95	03-25-65	NONE	UPGLAC	
N 1135	NASSAU CO DPW	D 6	1937	144	UNSD	DEST	88			2	76.25	11-08-37	NONE	UPGLAC	
N 1135	NASSAU CO DPW	D 6	1967	145	UNSD	OBS	109	38 TO 36	2	2	90.73	02-01-67	NONE	UPGLAC	
N 1136	NASSAU CO DPW	D 6	1937	126	UNSD	DEST	63			1.25	56.06	08-10-37	NONE	UPGLAC	
N 1136	NASSAU CO DPW	D 6	1955	125	UNSD	DEST	63	64 TO 62	2	1.25	51.77	09-19-55	NONE	UPGLAC	
N 1136	NASSAU CO DPW	D 6	1965	125	UNSD	DEST	73	54 TO 52	2	1.25	62.42	04-02-65	NONE	UPGLAC	
N 1136	NASSAU CO DPW	D 6	1966	125	UNSD	OBS	79	48 TO 46	2	1.25	71.54	11-16-66	NONE	UPGLAC	
N 1137	NASSAU CO DPW	D 6	1937	107	UNSD	DEST	49			1.25	33.94	08-05-37	NONE	UPGLAC	
N 1137	NASSAU CO DPW	D 6	1955	107	UNSD	DEST	42	68 TO 65	3	1.25	34.00	06-02-55	NONE	UPGLAC	
N 1137	NASSAU CO DPW	D 6	1964	107	UNSD	OBS	57	53 TO 50	3	1.25	40.67	07-16-64	NONE	UPGLAC	
N 1138	NASSAU CO DPW	D 6	1937	104	UNSD	DEST	49			1.25	32.45	08-03-37	NONE	UPGLAC	
N 1138	NASSAU CO DPW	D 6	1966	104	UNSD	OBS	64			1.25	48.49	11-16-66	NONE	UPGLAC	
N 1154	NASSAU CO DPW	D 6	1940	178	UNSD	OBS	141			2.50	112.71	07-10-40	NONE	UPGLAC	
N 1155	NASSAU CO DPW	D 6	1940	261	UNSD	OBS	230			4	186.01	03-14-41	NONE	MAGOTHY	
N 1156	NASSAU CO DPW	D 6	1940	158	UNSD	OBS	109			4	79.21	06-10-40	NONE	UPGLAC	
N 1157	NASSAU CO DPW	D 6	1938	170	UNSD	OBS	114			1.25	83.65	06-07-38	NONE	UPGLAC	
N 1158	NASSAU CO DPW	D 6	1938	111	UNSD	DEST	52			1.25	35.96	04-27-38	NONE	UPGLAC	
N 1159	NASSAU CO DPW	C 6	1937	86	UNSD	TEST	33			1.25	15.22	09-01-37	NONE		
N 1159	NASSAU CO DPW	C 6	1958	90	UNSD	OBS	35	58 TO 55	3	1.25	13.48	06-17-58	NONE	MAGOTHY	
N 1177	NASSAU CO DPW	D 6	1940	183	UNSD	DEST	146			4	96.60	08-22-40	NONE	MAGOTHY	
N 1178	NASSAU CO DPW	D 7	1937	120	UNSD	DEST	48			1.25	42.15	01-12-37	NONE	UPGLAC	
N 1178A	NASSAU CO DPW	D 6	1965	119	UNSD	OBS	73	49 TO 46	3	1.25	45.22	05-18-65	NONE	MAGOTHY	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 1256	NASSAU CO DPW	D 6		112	UNSD	DEST	44			1.50			NONE	UPGLAC	
N 1256A	NASSAU CO DPW	D 6	1940	112	UNSD	DEST	50			1.25	34.48	04-23-40	NONE	UPGLAC	
N 1291	FOURTOWN REALTY	D 5	1940	105	ARCD	WTDR	401	-271 TO -296	25	8	104	04-24-40	TURB	LLOYD	6
N 1293	J.G.SCHUMACHER	D 6	1940	162	UNSD	DEST	138	45 TO 24	21	12	92	05-06-40	TURB	MAGOTHY	23
N 1298	CITIZENS WTR CO	D 5	1940	15	UNSD	TEST	385						NONE		
N 1298	CITIZENS WTR CO	D 5	1940	15	P.S.	WTDR	343	-271 TO -321	50	20	6	07-26-40	TURB	LLOYD	14
N 1300	LINKS GOLF CLUB	D 5	1928	165	IRR	WTDR	375	-140 TO -200	60	18	89.5	03-00-28	TURB	MAGOTHY	22
N 1326	SKOURAS CORP	D 5	1940	96	ARCD	WTDR	195	-88 TO -99	11	8	68	04-18-40	TURB	MAGOTHY	
N 1328	MANH.-LAKE. WD	D 5	1940	177	UNSD	TEST	770						NONE		
N 1328	MANH.-LAKE. WD	D 5	1941	177	P.S.	WTDR	746	-475 TO -565	90	24	157	02-06-41	TURB	LLOYD	26
N 1329	WESTBURY WD	D 6	1940	110	UNSD	DEST	250	-120 TO -140	20	8			NONE	MAGOTHY	
N 1332	GLEN OAK GC	D 5	1932	162	IRR	WTDR	210	-17 TO -36	19	10	113.3	03-17-40	TURB	MAGOTHY	11
N 1430	NASSAU CO DPW	D 6	1937	107	UNSD	DEST							NONE	UPGLAC	
N 1430	NASSAU CO DPW	D 6	1938	107	UNSD	DEST	46			1.25	32.85	12-06-38	NONE	UPGLAC	
N 1430A	NASSAU CO DPW	D 6	1963	105	UNSD	DEST	53	55 TO 52	3	1.25	40.40	04-26-63	NONE	UPGLAC	
N 1430A	NASSAU CO DPW	D 6	1963	105	UNSD	DEST	49	59 TO 56	3	1.25	43.95	10-11-63	NONE	UPGLAC	
N 1430A	NASSAU CO DPW	D 6	1965	105	UNSD	OBS	74	34 TO 31	3	1.25	45.19	03-24-65	NONE	UPGLAC	
N 1478	NASSAU CO DPW	D 5	1944	57	UNSD	DEST	55	4 TO 2	2	1.25	34.92	08-11-44	NONE	UPGLAC	
N 1479	NASSAU CO DPW	D 5	1944	59	UNSD	DEST	62	2 TO -3	5	2.50	32.58	09-06-44	NONE	UPGLAC	
N 1480	NASSAU CO DPW	D 5	1944	75	UNSD	DEST	37			2.50	32.34	09-26-44	NONE	UPGLAC	
N 1480	NASSAU CO DPW	D 5	1951	75	UNSD	DEST	144	-66 TO -69	3	4	65.39	07-13-51	NONE	PTWCU	
N 1482	NASSAU CO DPW	E 5	1945	11	UNSD	OBS	151	-137 TO -140	3	2.50	10.43	11-03-45	NONE	PTWCU	
N 1483	NASSAU CO DPW	E 5	1945	11	UNSD	DEST	99	-85 TO -88	3	2.50	FLOWING	11-16-45	NONE	PTWCU	
N 1484	NASSAU CO DPW	E 5	1945	11	UNSD	DEST	52	-39 TO -41	2	2.50	FLOWING	11-02-45	NONE	UPGLAC	
N 1581	FOURTOWN REALTY	D 5	1940	108	UNSD	UNSD	398	-265 TO -290	25	10	104	04-00-40	NONE	LLOYD	
N 1612	H.C.FORD	D 5	1940	28	DOM	WTDR	106	-67 TO -78	11	6	58	07-19-40	TURB	UPGLAC	15
N 1614	NASSAU CO DPW	C 6		101	UNSD	DEST	34			2			NONE	UPGLAC	
N 1614	NASSAU CO DPW	C 6	1951	101	UNSD	DEST	40			1.25	33.62	11-28-51	NONE	UPGLAC	
N 1614	NASSAU CO DPW	C 6	1963	101	UNSD	DEST	50			1.25	38.47	07-25-63	NONE	UPGLAC	
N 1614	NASSAU CO DPW	C 6	1966	101	UNSD	OBS	53			1.25	48.27	04-06-66	NONE	UPGLAC	
N 1616	NASSAU CO DPW	D 6		123	UNSD	DEST	51			1.50			NONE	UPGLAC	
N 1616	NASSAU CO DPW	D 6	1965	123	UNSD	OBS	68			2	49.24	09-10-65	NONE	MAGOTHY	
N 1618	MANH.-LAKE. WD	D 5	1940	80	UNSD	TEST	589						NONE		
N 1618	MANH.-LAKE. WD	D 5	1941	80	P.S.	WTDR	556	-390 TO -470	80	20	74	10-31-40	TURB	LLOYD	20
N 1650	J.P. TAYLOR	D 5	1941	118	DOM	WTDR	106	21 TO 12	9	4	90.4	08-25-41	CENT	UPGLAC	
N 1667	WESTBURY WD	D 6	1941	108	UNSD	DEST	237	-99 TO -129	30	12	41.	02-15-41	NONE	MAGOTHY	33
N 1686	ROLLER REALTY	D 5	1940	95	UNSD	TEST	350						NONE		
N 1686	ROLLER REALTY	D 5	1941	95	ARCD	WTDR	220	-115 TO -125	10	8	75	02-27-41	TURB	MAGOTHY	4
N 1687	ROLLER REALTY	D 5	1941	95	RECH	RECH	207	-87 TO -111	24	6	72	06-00-41	NONE	MAGOTHY	
N 1687	HUNTCO REALTIES	D 5	1947	95	RECH	RECH	208	-98 TO -113	15	6			NONE	MAGOTHY	

Table 3.--*Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 1715	PORT WASH. WD	D 5	1941	101	UNSD	TEST	520						NONE		
N 1715	PORT WASH. WD	D 5	1941	101	P.S.	WTDR	490	-329 TO -379	50	18	101	11-27-41	TURB	LLOYD	11
N 1716	PORT WASH. WD	D 5	1941	101	UNSD	TEST	513						NONE		
N 1716	PORT WASH. WD	D 5	1941	101	P.S.	WTDR	483	-324 TO -374	50	18	92	11-27-41	TURB	LLOYD	14
N 1740	P.R.PYNE, JR	F 5	1941	68	DOM	WTDR	87	-14 TO -19	5	6	55	06-00-41		UPGLAC	
N 1771	STRATHMORE RLTY	D 5	1941	212	RECH	RECH	370	-128 TO -148	20	18			NONE	MAGOTHY	
N 1771	STRATHMORE RLTY	D 5	1943	212	RECH	RECH	370	-83 TO -148	30	10			NONE	UPGLAC	
N 1788	STRATHMORE RLTY	D 5	1943	225	COM	WTDR	323	-40 TO -92	52	12	160	03-00-43	SUBM	MAGOTHY	
N 1802	MANH.-LAKE. WD	D 5	1942	132	UNSD	TEST	750						NONE		
N 1802	MANH.-LAKE. WD	D 5	1942	132	P.S.	WTDR	703	-509 TO -559	50	20	128	09-08-42	TURB	LLOYD	18
N 1804	SPERRY GYRO. CO	D 5	1942	119	ARCD	WTDR	256	-101 TO -131	30	20	61	03-14-42	TURB	MAGOTHY	30
N 1818	SPERRY GYRO. CO	D 5	1942	141	ARCD	WTDR	235	-58 TO -88	30	12	87	06-09-42	TURB	MAGOTHY	19
N 1819	SPERRY GYRO. CO	D 5	1942	117	UNSD	TEST	284						NONE		
N 1819	SPERRY GYRO. CO	D 5	1942	117	RECH	RECH	195	47 TO -73	50	12	82	06-03-42	NONE	UPGLAC	26
N 1825	MADFLINE ET AL	D 6	1942	200	UNSD	DEST	367	-153 TO -167	14	12			NONE	MAGOTHY	
N 1835	SPERRY GYRO. CO	D 5	1942	122	RECH	RECH	270	-88 TO -138	50	12	74	07-07-42	NONE	MAGOTHY	47
N 1836	GREAT NECK VIL	D 5	1948	34	UNSD	UNSD	119	-81 TO -85	4	4	17.5	11-26-47	TURB	MAGOTHY	2
N 1841	SPERRY GYRO. CO	D 5	1942	118	RECH	RECH	259	-91 TO -141	50	12	75	09-23-42	NONE	MAGOTHY	35
N 1849	L.I.LIGHTING CO	D 6		10	UNSD	DEST	131			8			NONE	MAGOTHY	
N 1850	L.I.LIGHTING CO	D 6		10	UNSD	DEST	40			6			NONE	UPGLAC	
N 1851	L.I.LIGHTING CO	D 6		10	UNSD	DEST	377			8			NONE	LLOYD	
N 1852	L.I.LIGHTING CO	D 6		10	UNSD	DEST	40			6			NONE	UPGLAC	
N 1853	L.I.LIGHTING CO	D 6		10	UNSD	DEST	177			6			NONE	MAGOTHY	10
N 1858	SPERRY GYRO. CO	D 5	1942	124	ARCD	WTDR	98	42 TO 27	15	12	65	10-14-42		UPGLAC	49
N 1870	ROSLYN WD	D 6	1911	20	P.S.	WTDR	260			8			OTHR	MAGOTHY	
N 1871	ROSLYN WD	D 6	1911	20	P.S.	WTDR	260			8			OTHR	MAGOTHY	
N 1872	ROSLYN WD	D 6	1911	20	P.S.	WTDR	260			8			OTHR	MAGOTHY	
N 1873	ROSLYN WD	D 6	1911	20	P.S.	WTDR	260			10			OTHR	MAGOTHY	
N 1874	ROSLYN WD	D 6	1925	20	P.S.	WTDR	260			10			OTHR	MAGOTHY	
N 1875	ROSLYN WD	D 6	1925	20	P.S.	WTDR	260			10			OTHR	MAGOTHY	
N 1876	ROSLYN WD	D 6	1930	20	P.S.	WTDR	260			10			OTHR	MAGOTHY	
N 1877	ROSLYN WD	D 6	1930	20	P.S.	WTDR	555			15	FLOWING	00-00-30	OTHR	LLOYD	
N 1879	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	464			6			NONE	LLOYD	
N 1880	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	140			6			NONE	MAGOTHY	
N 1881	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	420			6			NONE	LLOYD	
N 1882	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	163			6			NONE	MAGOTHY	
N 1883	CITIZENS WTR CO	D 5	1906	15	UNSD		331			6			NONE	LLOYD	
N 1884	CITIZENS WTR CO	D 5	1906	30	UNSD	DEST	410			6			NONE	LLOYD	
N 1885	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	155						NONE	MAGOTHY	
N 1886	CITIZENS WTR CO	D 5	1906	30	UNSD	DEST	440			6			NONE	LLOYD	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 1887	CITIZENS WTR CO	D 5	1906	15	UNSD	UNSD	355			6			NONE	LLOYD	
N 1888	CITIZENS WTR CO	D 5	1906	15	UNSD		155			6			NONE	MAGOTHY	
N 1889	CITIZENS WTR CO	D 5	1906	15	UNSD	UNSD	404			6			NONE	LLOYD	
N 1890	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	152			6			NONE	MAGOTHY	
N 1891	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	384			6			NONE	LLOYD	
N 1892	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	150			6			NONE	MAGOTHY	
N 1893	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	145			6			NONE	MAGOTHY	
N 1894	CITIZENS WTR CO	D 5	1906	10	UNSD	DEST	402			6			NONE	LLOYD	
N 1895	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	162			6			NONE	MAGOTHY	
N 1896	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	144			6			NONE	MAGOTHY	
N 1897	CITIZENS WTR CO	D 5	1923	15	UNSD	DEST	165			12			NONE	MAGOTHY	
N 1898	CITIZENS WTR CO	D 5	1924	15	UNSD	DEST	391			8			NONE	LLOYD	
N 1899	CITIZENS WTR CO	D 5		15	UNSD	DEST	163			6			NONE	MAGOTHY	
N 1900	CITIZENS WTR CO	D 5	1925	15	UNSD	DEST	60			8			NONE	UPGLAC	
N 1901	CITIZENS WTR CO	D 5	1911	15	UNSD	DEST	380			6			NONE	LLOYD	
N 1902	CITIZENS WTR CO	D 5	1912	15	UNSD	DEST	101			6			NONE	UPGLAC	
N 1903	CITIZENS WTR CO	D 5	1912	15	UNSD	DEST	396			6			NONE	LLOYD	
N 1904	CITIZENS WTR CO	D 5	1910	15	UNSD	DEST	430			6			NONE	LLOYD	
N 1905	CITIZENS WTR CO	D 5	1910	15	UNSD	DEST	168			6			NONE	MAGOTHY	
N 1906	CITIZENS WTR CO	D 5	1910	15	UNSD	DEST	369			6			NONE	LLOYD	
N 1907	CITIZENS WTR CO	D 5	1910	15	UNSD	DEST	166			6			NONE	MAGOTHY	
N 1908	CITIZENS WTR CO	D 5		15	UNSD	DEST	152			6			NONE	MAGOTHY	
N 1909	CITIZENS WTR CO	D 5	1911	15	UNSD	DEST	115			6			NONE	MAGOTHY	
N 1926	MERCHANT MAR AC	D 4	1943	51	UNSD	TEST	300						NONE		
N 1926	MERCHANT MAR AC	D 4	1943	51	UNSD	UNSD	283	-177 TO -229	52	12	50.5	07-44-44	NONE	LLOYD	72
N 1938	R.MILLSPAUGH	D 5	1943	170	DOM	WTDR	140	35 TO 30	5	4	108	09-30-43		UPGLAC	
N 1941	U.S.ARMY	D 6	1943	68	UNSD	DEST	78						NONE	UPGLAC	
N 1946	J.M.KAPLAN	E 5	1944	57	DOM	WTDR	162	-100 TO -105	5	8	43	01-00-44	TURB	UPGLAC	
N 1958	JAMAICA WTR CO	C 5	1945	116	P.S.	WTDR	737	-551 TO -611	60	20	110	05-22-45	TURB	LLOYD	31
N 1966	METRO. S AND G	D 6		18	UNSD	UNSD				8			TURB		
N 1995	PORT WASH. WD	E 5	1944	23	UNSD	TEST	61	-26 TO -35	9	3			NONE	UPGLAC	
N 1995	PORT WASH. WD	E 5	1944	23	UNSD	TEST	113	-59 TO -68	9	3			NONE	PTWCU	
N 2002	L.I.LIGHTING CO	D 6	1944	18	IND	WTDR	472	-418 TO -449	31	12	18	12-08-44	TURB	LLOYD	11
N 2028	MANH.-LAKE. WD	D 5	1945	254	UNSD	TEST	610						NONE		
N 2028	MANH.-LAKE. WD	D 5	1946	254	P.S.	WTDR	494	-171 TO -231	60	20	184	05-03-46	TURB	MAGOTHY	28
N 2030	PORT WASH. WD	D 5	1945	102	UNSD	TEST	365						NONE		
N 2030	PORT WASH. WD	D 5	1946	102	P.S.	WTDR	218	-88 TO -113	25	16	65.4	12-07-46	TURB	MAGOTHY	6
N 2035	FAIRCHILD SONS	D 5	1945	141	UNSD	UNSD	145	9 TO -3	12	10	84	08-06-45	TURB	UPGLAC	5
N 2052	PORT WASH. WD	D 6	1945	159	UNSD	TEST	408						NONE		
N 2052	PORT WASH. WD	D 6	1947	159	P.S.	WTDR	331	-116 TO -166	50	18	127.5	12-28-45	TURB	MAGOTHY	27

Table 3.--*Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 2092	PORT WASH. WD	D 6	1946	158	UNSD	TEST	279	-112 TO -121	9	6			NONE	MAGOTHY	
N 2101	PORT WASH. WD	D 5	1946	102	UNSD	UNSD	201	-89 TO -99	10	6	67	03-28-46	NONE	UPGLAC	
N 2126	FRESH MEADOW CC	D 5		60	UNSD	DEST				6			NONE	UPGLAC	
N 2127	FRESH MEADOW CC	D 5		60	UNSD	DEST				6			NONE	UPGLAC	
N 2128	FRESH MEADOW CC	D 5		60	UNSD	DEST				6			NONE	UPGLAC	
N 2129	FRESH MEADOW CC	D 5		60	UNSD	DEST				6			NONE	UPGLAC	
N 2130	FRESH MEADOW CC	D 5		60	UNSD	DEST				6			NONE	UPGLAC	
N 2131	FRESH MEADOW CC	D 5		60	UNSD	DEST				6			NONE	UPGLAC	
N 2169	FRESH MEADOW CC	D 5	1947	58	IRR	WTDR	239	-166 TO -181	15	10	2.5	03-05-47	TURB	MAGOTHY	4
N 2191	R.ALTMAN AND CO	D 5	1946	215	ARCD	WTDR	345	-96 TO -126	30	12				MAGOTHY	
N 2201	WESTBURY WD	D 7	1946	115	UNSD	DEST	602						NONE		
N 2214	CITIZENS WTR CO	D 4	1946	47	UNSD	TEST	393						NONE		
N 2214	CITIZENS WTR CO	D 4	1947	47	P.S.	WTDR	292	-189 TO -239	50	20	43	01-20-47	TURB	LLOYD	14
N 2219	PAERDEGAT CORP	C 5	1946	125	ARCD	WTDR	110	36 TO 15	21	8	60	11-26-46	TURB	UPGLAC	12
N 2236	WESTBURY WD	D 7	1947	115	UNSD	UNSD	570	-405 TO -450	45	12	39	07-22-47	NONE	MAGOTHY	5
N 2269	NASSAU CO DPW	D 5	1947	110	UNSD	OBS	231	-98 TO -102	4	6				UPGLAC	
N 2399	CALD.-MIN. THEA	C 6	1947	111	ARCD	WTDR	87	44 TO 24	20	8	44	07-23-47	TURB	UPGLAC	27
N 2400	ROSLYN WD	D 6	1947	161	UNSD	TEST	489						NONE		
N 2400	ROSLYN WD	D 6	1948	161	P.S.	WTDR	444	-238 TO -277	39	18	94	07-14-47	TURB	MAGOTHY	54
N 2420	R.ALTMAN AND CO	D 5	1947	214	RECH	RECH	256	18 TO -42	60	12			NONE	MAGOTHY	
N 2422	M.MAGENHEIMER	C 6	1948	93	UNSD	UNSD	110	15 TO -17	32	8	15	10-09-48	TURB	MAGOTHY	
N 2424	L.I.LIGHTING CO	D 6	1948	16	UNSD	OBS	461	-409 TO -443	34	12	21	08-30-48	TURB	LLOYD	9
N 2487	WILLISTON PARK	D 6	1947	135	UNSD	TEST	434						NONE		
N 2487	WILLISTON PARK	D 6	1948	135	P.S.	WTDR	343	-163 TO -203	40	18	63.5	08-11-48	TURB	MAGOTHY	35
N 2527	M.MAGENHEIMER	C 6	1949	94	UNSD	UNSD	118	2 TO -20	22	10	18	04-11-49	TURB	MAGOTHY	13
N 2529	WESTBURY WD	D 7	1947	115	UNSD	TEST	210						NONE		
N 2565	GARD. CTY PK WD	C 6	1948	107	UNSD	TEST	500						NONE		
N 2565	GARD. CTY PK WD	C 6	1949	107	P.S.	WTDR	410	-263 TO -298	35	18	47	03-22-48	TURB	MAGOTHY	18
N 2566	BLUM ESTATE	D 5	1948	173	UNSD	DEST	135	43 TO 38	5	6	98.5	07-00-48	JET	UPGLAC	
N 2567	T.M.FRASER	E 5	1948	51	DOM	WTDR	105	-48 TO -54	6	4	46	04-00-48	JET	UPGLAC	
N 2569	NEW YORK STATE	D 6	1943	8	UNSD	TEST	152						NONE		
N 2570	NEW YORK STATE	D 6	1943	51	UNSD	TEST	50						NONE		
N 2571	NEW YORK STATE	D 6	1943	42	UNSD	TEST	67						NONE		
N 2576	GLEN OAKS CC	D 5	1948	162	IRR	WTDR	202	-15 TO -35	20	10	113.7	09-16-48	TURB	MAGOTHY	29
N 2602	WESTBURY WD	D 7	1948	114	UNSD	TEST	858						NONE		
N 2602	WESTBURY WD	D 7	1948	114	P.S.	WTDR	805	-646 TO -686	40	16	99	08-11-48	TURB	LLOYD	10
N 2623	F.SCHUMACHER	D 5	1948	141	UNSD	DEST	125	37 TO 19	18	8	81.5	08-00-48	NONE	MAGOTHY	
N 2626	U.S.PRINTING	C 6	1948	92	UNSD	DEST	117	7 TO -25	32	10	16.5	10-19-48	NONE	MAGOTHY	
N 2626	U.S.PRINTING	C 6	1951	92	UNSD	UNSD	150	-17 TO -58	41	10	23	09-06-51	TURB	MAGOTHY	15
N 2627	U.S.PRINTING	C 6	1949	91	UNSD	DEST	58	49 TO 33	16	10	14.6	01-20-49	NONE	UPGLAC	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 2627	U.S.PRINTING	C 6	1965	91	UNSD	UNSD	179	-68 TO -88	20	6	37	09-00-65	SUBM	MAGOTHY	6
N 2635	NASSAU CO DPW	D 5	1948	40	UNSD	OBS	165	-110 TO -114	4	8	10.68	06-22-48	NONE	PTWCU	
N 2747	CARLE PLACE WD	C 6	1948	92	UNSD	TEST	417						NONE		
N 2747	CARLE PLACE WD	C 6	1948	92	P.S.	WTDR	333	-186 TO -236	50	18	18	09-07-48	TURB	MAGOTHY	26
N 2748	CARLE PLACE WD	C 6	1948	94	UNSD	DEST	332	-182 TO -232	50	18	20	10-12-48	NONE	MAGOTHY	30
N 2748	CARLE PLACE WD	C 6	1971	94	UNSD	TEST	551						NONE		
N 2748	CARLE PLACE WD	C 6	1971	94	P.S.	WTDR	515	-366 TO -416	50	16	39.3	09-17-71	TURB	MAGOTHY	15
N 2749	NASSAU CO DPW	D 5	1947	56	UNSD	TEST	445						NONE		
N 2749	NASSAU CO DPW	D 5	1947	56	UNSD	OBS	418	-333 TO -338	5	6	28	03-22-49	NONE	LLOYD	
N 3153	M.MAGENHEIMER	C 6	1949	87	UNSD	TEST	62						NONE		
N 3154	M.MAGENHEIMER	C 6	1949	91	UNSD	TEST	72						NONE		
N 3185	MINEOLA	C 6	1949	106	UNSD	TEST	499						NONE		
N 3185	MINEOLA	C 6	1949	106	P.S.	WTDR	468	-317 TO -357	40	18	41	11-02-49	TURB	MAGOTHY	33
N 3311	COLONIAL SAND	D 6	1949	52	UNSD	DEST	208	-141 TO -153	12	8	22	07-05-49	NONE	PTWAQ	8
N 3443	CITIZENS WTR CO	D 5	1949	124	UNSD	TEST	481						NONE		
N 3443	CITIZENS WTR CO	D 5	1949	124	UNSD	DEST	209	-58 TO -85	18				NONE	MAGOTHY	
N 3443	CITIZENS WTR CO	D 5	1950	124	P.S.	WTDR	471	-300 TO -340	40	12	115	05-15-50	TURB	LLOYD	6
N 3458	PENN STEV. CORP	D 6	1950	52	UNSD	DEST	50	16 TO 2	14	4	19.7	03-00-50	NONE	UPGLAC	
N 3477	SWAN CLUB	D 6	1950	15	COM	WTDR	59	-36 TO -44	8	4	FLOWING	02-00-50	CENT	UPGLAC	
N 3484	WESTBURY THEA	D 6	1950	106	ARCD	WTDR	165	-33 TO -57	24	8	37	04-20-50	TURB	UPGLAC	8
N 3493	G.SCHINDLER	E 5	1950	100	DOM	WTDR	100	6 TO 0	6	4	84.3	07-21-50	JET	UPGLAC	
N 3521	PLANDOME	D 5	1950	49	UNSD	TEST	406						NONE		
N 3523	MANH.-LAKE. WD	D 5	1950	201	UNSD	TEST	584						NONE		
N 3523	MANH.-LAKE. WD	D 5	1950	201	P.S.	WTDR	326	-89 TO -119	30	20	140	08-16-50	SUBM	UPGLAC	9
N 3531	WESTBURY THEA	D 6	1950	105	RECH	RECH	123	8 TO -18	26	12	30	05-20-50	NONE	MAGOTHY	
N 3540	PLANDOME	D 5	1951	50	P.S.	WTDR	207	-105 TO -157	52	12	31	07-20-50	TURB	UPGLAC	13
N 3669	RING REALTY	D 5	1951	98	UNSD	UNSD	137	-15 TO -35	20	10	70.8	04-09-51	TURB	UPGLAC	5
N 3672	GARD. CTY PK WD	C 5	1951	105	UNSD	TEST	481						NONE		
N 3672	GARD. CTY PK WD	C 5	1951	105	P.S.	WTDR	452	-302 TO -342	40	18	41	04-06-51	TURB	MAGOTHY	14
N 3673	GARD. CTY PK WD	C 5	1951	101	UNSD	TEST	447						NONE		
N 3673	GARD. CTY PK WD	C 5	1951	101	P.S.	WTDR	434	-288 TO -328	40	18	35	06-01-51	TURB	MAGOTHY	26
N 3686	ASSOC. FOOD ST	D 5	1952	192	UNSD	UNSD	193	9 TO 4	5	6	156	03-00-52	SUBM	UPGLAC	
N 3699	CON LITHO CORP	C 6	1950	107	UNSD	TEST							NONE		
N 3699	CON LITHO CORP	C 6	1951	107	IND	WTDR	89	40 TO 18	22	10	23	07-17-51	TURB	MAGOTHY	
N 3700	CON LITHO CORP	C 6	1951	106	IND	WTDR	73	54 TO 33	21	10	21	10-00-51	TURB	UPGLAC	19
N 3712	PORT WASH. SD	E 5	1951	20	UNSD	UNSD	46	-16 TO -26	10	6	2	04-00-51	TURB	UPGLAC	25
N 3732	ALBERTSON WD	D 6	1951	140	UNSD	TEST	450						NONE		
N 3732	ALBERTSON WD	D 6	1952	140	P.S.	WTDR	355	-170 TO -210	40	18	71	08-26-52	TURB	MAGOTHY	18
N 3733	ALBERTSON WD	D 6	1952	141	P.S.	WTDR	455	-269 TO -309	40	18	69	08-28-52	TURB	MAGOTHY	15
N 3739	RING REALTY	D 5	1951	98	UNSD	UNSD	125	-3 TO -27	24	10	68	08-00-51	NONE	UPGLAC	

Table 3.--Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 3740	A.PRAVER	D 5	1951	91	DOM	WTDR	72	29 TO 19	10	8			TURB	UPGLAC	12
N 3742	NO. HEMP. CC	D 5	1952	140	IRR	WTDR	265	-90 TO -120	30	12	101	06-20-51	TURB	UPGLAC	23
N 3752	H.RUBINSTEIN	D 6	1951	211	IND	WTDR	263	-26 TO -47	21	8	151	08-11-51	TURB	MAGOTHY	2
N 3758	LAB. FURNITURE	C 6	1951	110	UNSD	UNSD	91	30 TO 19	11	8	38.8	10-01-51	TURB	UPGLAC	11
N 3776	SPERRY GYRO. CO	D 5	1951	118	RECH	RECH	108	50 TO 10	40	16	74	08-20-51	NONE	UPGLAC	67
N 3801	FOOD FAIR	D 5	1951	85	COM	WTDR	185	-89 TO -100	11	8	60	09-21-51	TURB	MAGOTHY	3
N 3851	FOOD FAIR	D 5	1952	82	RECH	RECH	187	-82 TO -105	23	8	60.5	02-00-52	NONE	MAGOTHY	
N 3888	FOURTOWN REALTY	D 5	1953	108	RECH	RECH	402	-269 TO -289	20	8			NONE	LLOYD	
N 3905	MANH.-LAKE. WD	D 5	1952	134	UNSD	TEST	770						NONE		
N 3905	MANH.-LAKE. WD	D 5	1952	134	P.S.	WTDR	259	-80 TO -120	40	20	65	06-09-52	TURB	MAGOTHY	29
N 3911	C.WOODRUFF	E 5	1952	131	DOM	WTDR	97	37 TO 34	3	6	70.6	04-30-52	SUBM	UPGLAC	7
N 3912	F.T.PRATT	E 5	1952	135	DOM	WTDR	101	37 TO 34	3	6	74.6	04-30-52	SUBM	UPGLAC	5
N 4016	E.A.KAHN EST	D 4	1952	56	DOM	WTDR	75	-8 TO -19	11	6	41.5	11-15-52	TURB	UPGLAC	10
N 4082	MINEOLA	D 6	1953	108	P.S.	WTDR	467	-314 TO -354	40	18	33	01-22-53	TURB	MAGOTHY	27
N 4125	COLONIAL SAND	D 6	1953	58	UNSD	DEST	261	-177 TO -197	20	8	32	03-19-53	NONE	MAGOTHY	20
N 4128	SETMAN REALTY	D 5	1953	137	COM	WTDR	180	-21 TO -40	19	8	99	04-27-53	TURB	UPGLAC	3
N 4173	SPERRY GYRO. CO	D 5	1954	130	IND	WTDR	260	-95 TO -125	30	20	64	07-01-54	TURB	MAGOTHY	33
N 4206	CARLE PLACE WD	D 6	1954	106	P.S.	WTDR	360	-199 TO -249	50	18	31	08-05-54	TURB	MAGOTHY	34
N 4207	SPERRY GYRO. CO	D 5	1954	120	RECH	RECH	245	-79 TO -119	40	12	64	07-17-53	NONE	MAGOTHY	
N 4215	LEVITT AND SONS	D 6	1954	132	COM	WTDR	104	44 TO 28	16	6	52	05-00-54	TURB	UPGLAC	
N 4223	PORT WASH. WD	D 5	1953	192	UNSD	TEST	510						NONE		
N 4223	PORT WASH. WD	D 5	1954	192	P.S.	WTDR	330	-85 TO -138	53	12	172	03-27-54	TURB	UPGLAC	33
N 4229	S.KUTTNER	D 6	1953	169	DOM	WTDR	125	49 TO 44	5	6	94	08-10-53	SUBM	UPGLAC	10
N 4243	MANH.-LAKE. WD	D 5	1953	132	P.S.	WTDR	260	-73 TO -123	50	20	71	08-28-53		MAGOTHY	62
N 4244	PORT WASH. SD	E 5	1953	38	UNSD	UNSD	145	-95 TO -104	10	6	33.5	08-21-53	NONE	PTWCU	5
N 4265	ROSLYN WD	D 6	1954	215	P.S.	WTDR	490	-220 TO -270	50	18	126	08-12-54	TURB	MAGOTHY	28
N 4266	U.S. GEOL SURV	D 5	1953	57	UNSD	TEST	475						NONE		
N 4266	U.S. GEOL SURV	D 5	1954	57	UNSD	OBS	396	-320 TO -336	16	10	48	11-29-54	NONE	LLOYD	1
N 4302	COUNTRY WOOD	D 5	1954	123	UNSD	UNSD	124	10 TO -1	11	6	90	10-30-53	TURB	UPGLAC	8
N 4327	ALBERTSON WD	D 6	1954	127	P.S.	WTDR	430	-238 TO -298	60	18	56	07-29-54	TURB	MAGOTHY	18
N 4332	W.J.BLACK, INC	D 6	1954	189	UNSD	UNSD	210	-11 TO -21	10	6	146.7	04-11-54	SUBM	UPGLAC	
N 4333	W.J.BLACK, INC	D 6	1954	186	UNSD	UNSD	150	47 TO 36	11	6	143	05-00-54	NONE	UPGLAC	
N 4382	JARCO CORP	D 7	1953	114	UNSD	UNSD	221	-96 TO -106	10	6			SUBM	MAGOTHY	4
N 4383	LAGREGA REALTY	D 7	1953	124	UNSD	UNSD	136	-2 TO -12	10	4	43.8	12-03-53	TURB	MAGOTHY	
N 4388	CITIZENS WTR CO	D 5	1954	28	P.S.	WTDR	145	-97 TO -117	20	18	17	02-09-54	TURB	MAGOTHY	19
N 4389	SANDS POINT	E 5	1953	80	UNSD	TEST	301						NONE		
N 4389	SANDS POINT	E 5	1954	80	P.S.	WTDR	228	-70 TO -145	43	16	.62	06-08-54	SUBM	UPGLAC	33
N 4390	JAMAICA WTR. CO	D 5	1953	124	UNSD	TEST	120						NONE		
N 4390	JAMAICA WTR. CO	D 5	1954	124	UNSD	DEST	105	40 TO 19	21	20	61	01-06-54	TURB	UPGLAC	73
N 4390	JAMAICA WTR. CO	D 5	1967	124	P.S.	WTDR	301	-137 TO -172	35	18	90	05-18-67	TURB	MAGOTHY	56

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 4417	R.ALTMAN AND CO	D 5	1954	219	UNSD	TEST	343						NONE		
N 4417	R.ALTMAN AND CO	D 5	1954	219	COM	WTDR	329	-46 TO -101	55	12	164	07-16-54	TURB	MAGOTHY	51
N 4424	MRS.R.W.FRASER	E 5	1954	51	DOM	WTDR	94	-38 TO -43	5	4	47	05-00-54		UPGLAC	
N 4544	R.ALTMAN AND CO	D 5	1954	216	RECH	RECH	200	112 TO 16	86	12	165	07-00-54	NONE	UPGLAC	
N 4596	GRAND UNION	D 5	1954	121	UNSD	DEST	139	-7 TO -18	11	6	95.7	06-26-54	NONE	UPGLAC	6
N 4622	L.J.GOLDRICH	D 5	1954	20	DOM	WTDR	58	-28 TO -38	10	6	20	06-17-54	SUBM	UPGLAC	4
N 4623	ROSLYN WD	D 6	1955	257	P.S.	WTDR	503	-191 TO -241	50	18	201	04-14-55	TURB	MAGOTHY	13
N 4678	MANDA REALTY CO	E 5	1954	16	UNSD	RECH	30	-5 TO -14	9	4	9.5	12-28-54	TURB	UPGLAC	
N 4695	GRAND UNION	D 5	1954	150	UNSD	UNSD	83	78 TO 67	11	8	29	08-25-54	TURB	UPGLAC	9
N 4697	CITIZENS WTR CO	D 5	1954	12	UNSD	OBS	24	-9 TO -12	3	2	FLOWING	07-01-54	NONE	UPGLAC	
N 4754	H.SCHWARTZ	D 4	1954	54	DOM	WTDR	86	-21 TO -32	11	6	47	11-12-54	SUBM	UPGLAC	1
N 4763	G.SCHINDLER EST	E 5	1954	100	DOM	WTDR	106	0 TO -6	6	6	88.7	09-00-54	SUBM	UPGLAC	
N 4772	GREAT NECK SAW	C 6	1954	109	UNSD	DEST	79	40 TO 30	10	6	46	11-03-54	NONE	UPGLAC	5
N 4772	GREAT NECK SAW	C 6	1965	109	IND	WTDR	238	-88 TO -128	40	6	46	03-01-65	TURB	MAGOTHY	2
N 4859	PORT WASH. WD	E 5	1954	30	UNSD	TEST	399						NONE		
N 4859	PORT WASH. WD	E 5	1954	30	P.S.	WTDR	385	-325 TO -355	30	20	58	09-28-54	TURB	PTWAQ	21
N 4860	PORT WASH. WD	E 5	1954	18	P.S.	WTDR	93	-42 TO -71	29	12	FLOWING	11-16-54		UPGLAC	
N 4887	M.MAGENHEIMER	C 6	1954	90	RECH	RECH	42	64 TO 48	16	10	25	09-00-54	NONE	UPGLAC	
N 4888	M.MAGENHEIMER	C 6	1954	89	RECH	RECH	41	63 TO 48	15	10	25	09-00-54	NONE	UPGLAC	
N 4889	M.MAGENHEIMER	C 6	1954	89	RECH	RECH	41	66 TO 50	16	10	24	09-00-54	NONE	UPGLAC	
N 5007	WESTBURY WD	D 7	1955	119	P.S.	WTDR	259	-90 TO -140	50	20	37	11-10-54	TURB	MAGOTHY	31
N 5074	GEON INTERNAT	D 5	1954	81	UNSD	UNSD	120	-33 TO -39	6	6	63.1	11-10-54	NONE	UPGLAC	
N 5099	MANH.-LAKE. WD	D 5	1954	189	UNSD	TEST	434						NONE		
N 5099	MANH.-LAKE. WD	D 5	1955	189	P.S.	WTDR	399	-156 TO -204	43	20	148	04-06-55	TURB	MAGOTHY	28
N 5110	MANH.-LAKE. WD	D 5	1954	82	UNSD	TEST	406						NONE		
N 5135	F.GRUENSTEIN	D 5	1955	135	UNSD	UNSD	164	-22 TO -29	7	6	113	05-03-55	TURB	UPGLAC	2
N 5208	HILL'S MARKETS	D 6	1955	128	COM	WTDR	115	24 TO 13	11	6	80	03-03-55	TURB	UPGLAC	7
N 5209	PORT WASH. WD	D 5	1956	200	P.S.	WTDR	300	-60 TO -100	40	20	173	06-14-56	TURB	UPGLAC	20
N 5210	PORT WASH. WD	D 5	1955	200	UNSD	OBS	302	-92 TO -102	10	6	173	04-00-55	NONE	UPGLAC	
N 5228	PORT WASH. WD	D 6	1955	158	UNSD	OBS	334	-166 TO -176	10	6	130	04-00-55	NONE	UPGLAC	
N 5251	M.WUISCHPARD	D 5	1955	102	DOM	RECH	108	4 TO -6	10	6	62	04-10-55	SUBM	UPGLAC	4
N 5296	GREAT NECK ESTS	D 5	1955	10	UNSD	TEST	146						NONE		
N 5296	GREAT NECK EST	D 5	1955	10	UNSD	DEST	57	-29 TO -40	11	6	8	05-04-55	NONE	UPGLAC	2
N 5357	DR.D.BELLIN	D 5	1955	20	UNSD	TEST	283						NONE		
N 5528	MANH.-LAKE. WD	D 5	1955	257	UNSD	TEST	515						NONE		
N 5528	MANH.-LAKE. WD	D 5	1956	257	P.S.	WTDR	495	-173 TO -233	60	20	193	05-04-56	TURB	MAGOTHY	31
N 5530	PORT WASH. WD	D 5	1955	65	UNSD	TEST	436						NONE		
N 5530	PORT WASH. WD	D 5	1955	65	UNSD	OBS	382	-307 TO -317	10	6	70	08-00-55	NONE	LLOYD	
N 5535	DEEPDALE. INC	D 5	1955	250	UNSD	TEST	435						NONE		
N 5535	DEEPDALE. INC	D 5	1956	250	IRR	WTDR	390	-80 TO -140	40	16	186	11-16-55	TURB	MAGOTHY	40

Table 3.--Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 5576	SQUIRE THEATRE	D 5	1956	95	UNSD	TEST	266						NONE		
N 5576	SQUIRE THEATRE	D 5	1956	95	RECH	RECH	205	60 TO -110	51	4	35	07-00-56	NONE	UPGLAC	
N 5596	MINEOLA	C 6	1956	106	P.S.	WTDR	468	-297 TO -357	60	18	32.6	07-03-56	TURB	MAGOTHY	30
N 5603	GARD. CTY PK WD	D 5	1955	114	UNSD	TEST	452						NONE		
N 5603	GARD. CTY PK WD	D 5	1956	114	P.S.	WTDR	420	-251 TO -301	50	18	46	06-19-56	TURB	MAGOTHY	20
N 5608	H.H.RAINS	D 6	1955	110	DOM	WTDR	73	48 TO 37	11	6			SUBM	UPGLAC	
N 5621	PORT WASH. WD	D 5	1955	100	UNSD	TEST	280						NONE		
N 5654	WESTBURY WD	C 6	1956	98	P.S.	WTDR	340	-177 TO -237	60	20	21	11-00-55	TURB	MAGOTHY	54
N 5655	WESTBURY WD	D 7	1956	130	P.S.	WTDR	260	-75 TO -125	50	20	48.5	08-16-56	TURB	MAGOTHY	28
N 5679	COLONIAL SAND	E 6		15	UNSD	DEST	401			5			NONE	LLOYD	
N 5690	MCCORMACK SAND	D 6	1955	47	UNSD	DEST	130			2.50			NONE	UPGLAC	
N 5708	H.RUBENSTEIN CO	D 6	1956	211	IND	WTDR	243	-1 TO -32	31	8	140	08-23-56	TURB	MAGOTHY	27
N 5710	MANH.-LAKE. WD	D 5	1957	179	P.S.	WTDR	390	-146 TO -206	60	20	114	01-11-57	SUBM	MAGOTHY	14
N 5743	R.ZWERLING	D 4	1956	49	DOM	UNSD	52	2 TO -3	5	6	30	06-04-56	TURB	UPGLAC	9
N 5761	CROSSMAN CADIL	D 5	1956	91	UNSD	UNSD	106	-10 TO -15	5	6	73.8	05-04-56	SUBM	UPGLAC	3
N 5852	ROSLYN WD	D 6	1956	235	UNSD	TEST	517						NONE		
N 5852	ROSLYN WD	D 6	1957	235	P.S.	WTDR	487	-197 TO -247	50	18	175	06-06-57	TURB	MAGOTHY	19
N 5876	PORT WASH. WD	D 5	1956	100	UNSD	TEST	295						NONE		
N 5876	PORT WASH. WD	D 5	1957	100	P.S.	WTDR	243	-68 TO -138	70	12	57.5	06-10-57	TURB	UPGLAC	
N 5883	H.RUBINSTEIN	D 6	1956	208	UNSD	OBS	215	-2 TO -7	5	4	155	05-00-56	NONE	MAGOTHY	
N 5884	CITIZENS WTR CO	D 5	1956	68	UNSD	TEST	228						NONE		
N 5884	CITIZENS WTR CO	D 5	1957	68	P.S.	WTDR	163	-24 TO -95	61	18	50.5	07-28-56	TURB	MAGOTHY	36
N 5895	G.GOLDBERG	D 5	1956	50	UNSD	UNSD	140	-80 TO -90	10	6	55	08-24-56	SUBM	UPGLAC	1
N 5903	DAVID GIMPEL	D 5	1956	40	UNSD	UNSD	83	-37 TO -43	6	6	FLOWING	08-00-56		UPGLAC	
N 5918	PORT WASH. WD	D 5	1957	100	UNSD	OBS	188	-78 TO -88	10	6	57	00-00-57	NONE	UPGLAC	
N 5947	ALBERTSON WD	D 6	1956	129	UNSD	TEST	504						NONE		
N 5947	ALBERTSON WD	D 6	1957	129	P.S.	WTDR	370	-166 TO -236	70	18	53	06-17-57	TURB	MAGOTHY	34
N 6003	GREAT NECK ESTS	D 5	1957	10	OTHR	WTDR	94	-69 TO -84	15	6	6	06-04-57	TURB	UPGLAC	
N 6012	L.SCHOENFIELD	D 4	1957	42	DOM	WTDR	130	-77 TO -88	11	6	40	05-00-57	TURB	PTWAQ	
N 6018	SUNGLO CAR WASH	D 5	1959	120	COM	WTDR	91	35 TO 29	6	6			SUBM	UPGLAC	
N 6023	U.S. GEOL SURV	D 5	1956	8	UNSD	OBS	4	6 TO 4	2	1.25	2.61	06-08-56	NONE	UPGLAC	
N 6024	U.S. GEOL SURV	E 6	1956	15	UNSD	OBS	21	-4 TO -6	2	1.25	11.36	06-21-56	NONE	UPGLAC	
N 6025	U.S. GEOL SURV	D 6	1956	11	UNSD	OBS	9	4 TO 2	2	1.25			NONE	UPGLAC	
N 6026	U.S. GEOL SURV	D 6	1956	47	UNSD	DEST	25	24 TO 22	2	1.25	14.63	06-13-56	NONE	UPGLAC	
N 6027	U.S. GEOL SURV	D 6	1956	15	UNSD	OBS	8	9 TO 7	2	1.25	FLOWING	07-02-56	NONE	UPGLAC	
N 6028	U.S. GEOL SURV	D 6	1956	21	UNSD	OBS	6	17 TO 15	2	1.25	2.71	07-02-56	NONE	UPGLAC	
N 6029	U.S. GEOL SURV	D 6	1956	15	UNSD	OBS	6	11 TO 9	2	1.25	5.44	06-18-56	NONE	UPGLAC	
N 6030	U.S. GEOL SURV	D 6	1956	7	UNSD	OBS	9	0 TO -2	2	1.25	5.16	06-29-56	NONE	UPGLAC	
N 6031	U.S. GEOL SURV	E 5	1956	28	UNSD	OBS	36	-6 TO -8	2	2.50	22.56	07-12-56	NONE	UPGLAC	
N 6032	U.S. GEOL SURV	D 5	1956	113	UNSD	OBS	16			1.25	11.78	07-12-56	NONE	UPGLAC	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 6033	U.S. GEOL SURV	D 5	1956	115	UNSD	OBS	15			2.50	12.43	07-12-56	NONE	UPGLAC	
N 6034	5TH AVE CENTER	D 5	1956	210	COM	WTDR	307	-8 TO -89	70	16	153	12-20-56	TURB	MAGOTHY	21
N 6035	5TH AVE CENTER	D 5	1957	198	COM	WTDR	294	5 TO -96	71	16	137	01-11-57	TURB	MAGOTHY	48
N 6073	DEAN FURNITURE	D 5	1956	120	COM	WTDR	106	25 TO 14	11	8	69	12-20-56	TURB	UPGLAC	15
N 6083	GREAT NECK SD	D 5	1956	12	UNSD	DEST	110	-93 TO -98	5	4	7	01-17-57	NONE	PTWAQ	4
N 6087	PORT WASH. WD	E 5	1957	20	P.S.	WTDR	95	-43 TO -72	29	10	18	06-10-57	TURB	UPGLAC	22
N 6088	310 N.BLVD.CORP	D 5	1957	118	UNSD	UNSD	103	20 TO 15	5	6	81.3	04-04-57	SUBM	UPGLAC	6
N 6089	PORT WASH. WD	D 5	1956	157	UNSD	TEST	456						NONE		
N 6095	PORT WASH. WD	E 5	1957	111	UNSD	TEST	415						NONE		
N 6116	U.S. GEOL SURV	D 5	1956	157	UNSD	OBS	74	85 TO 83	2	1.25	63.90	12-26-56	NONE	UPGLAC	
N 6117	U.S. GEOL SURV	D 5	1956	157	UNSD	OBS	129	30 TO 28	2	1.25	50.11	12-26-56	NONE	UPGLAC	
N 6118	U.S. GEOL SURV	E 5	1957	111	UNSD	OBS	99	14 TO 12	2	1.25	71.20	02-01-57	NONE	UPGLAC	
N 6119	ABILITIES INC	D 6	1957	123	ARCD	WTDR	181	-33 TO -58	25	12	53	03-02-57	TURB	MAGOTHY	14
N 6132	MEADOWBROOK BK	E 5	1957	8	UNSD	UNSD	37	-25 TO -29	4	2	7	02-08-57	NONE	UPGLAC	
N 6134	JASCO ALUMINUM	C 5	1957	98	UNSD	UNSD	75	28 TO 23	5	4	39.5	03-00-57	TURB	UPGLAC	
N 6160	PENN INDUSTRIES	D 6	1956	42	UNSD	TEST	315						NONE		
N 6160	PENN INDUSTRIES	D 6	1957	42	UNSD	DEST	90	-42 TO -48	6	4	19.5	01-00-57	NONE	UPGLAC	
N 6202	SERVOMECHANISMS	D 7	1957	132	ARCD	WTDR	265	-105 TO -133	28	8	61	06-13-57	TURB	MAGOTHY	17
N 6205	J.F.BURNS	C 6	1957	107	ARCD	WTDR	268	-151 TO -161	10	6	44	06-05-57	TURB	MAGOTHY	3
N 6282	U.S. GEOL SURV	E 5	1957	102	UNSD	TEST	442						NONE		
N 6282	U.S. GEOL SURV	E 5	1957	102	UNSD	OBS	396	-282 TO -292	10	6	91	08-23-57	NONE	PTWAQ	3
N 6290	U.S. GEOL SURV	D 5	1957	43	UNSD	DEST	35	10 TO 8	2	1.25	28.43	07-09-57	NONE	UPGLAC	
N 6291	U.S. GEOL SURV	D 5	1957	110	UNSD	DEST	55	57 TO 55	2	1.25	16.59	06-28-57	NONE	UPGLAC	
N 6292	U.S. GEOL SURV	D 6	1957	73	UNSD	DEST	53	22 TO 20	2	1.25	40.90	06-17-57	NONE	UPGLAC	
N 6293	U.S. GEOL SURV	F 5	1957	53	UNSD	OBS	28	27 TO 25	2	1.25	23.07	07-02-57	NONE	UPGLAC	
N 6295	U.S. GEOL SURV	D 5	1957	54	UNSD	OBS	39	17 TO 15	2	1.25	9.90	07-05-57	NONE	UPGLAC	
N 6315	CARLE PLACE WD	D 6	1958	107	P.S.	WTDR	353	-191 TO -241	50	18	28	05-26-58	TURB	MAGOTHY	49
N 6316	GOTHAM SAND	E 6	1957	17	UNSD	UNSD	49	-26 TO -32	6	6	17	08-00-57	SUBM	UPGLAC	
N 6320	CHAMINADE H SCH	C 6	1957	96	IRR	WTDR	78	29 TO 18	11	8	38	10-00-57	TURB	UPGLAC	
N 6333	A.COHEN	D 6	1957	150	DOM	WTDR	142	19 TO 8	11	6	95	11-00-57	TURB	UPGLAC	
N 6334	MEADOWBROOK BK	C 5		128	ARCD	WTDR	208	-75 TO -80	5				SUBM	MAGOTHY	
N 6341	NASSAU CO DPW	E 5	1957	98	UNSD	OBS	89	12 TO 9	3	1	69.54	08-30-57	NONE	UPGLAC	
N 6342	U.S. GEOL SURV	E 5	1957	97	UNSD	OBS	185	-86 TO -88	2	1.25	80.29	08-28-57	NONE	UPGLAC	
N 6346	COLONIAL SAND	D 6	1957	54	IND	WTDR	375	-311 TO -321	10	6	37	10-29-57	TURB	PTWAQ	3
N 6351	U.S. GEOL SURV	E 5	1957	51	UNSD	OBS	29	24 TO 22	2	2	23.05	09-17-57	NONE	UPGLAC	
N 6394	5TH AVE CENTER	D 5	1958	190	RECH	RECH	217	52 TO -27	79	12	129	03-00-58	NONE	MAGOTHY	
N 6395	5TH AVE CENTER	D 5	1958	190	RECH	RECH	208	60 TO -18	78	12	127	02-00-58	NONE	MAGOTHY	
N 6460	U.S. GEOL SURV	D 5	1958	57	UNSD	OBS	47	12 TO 10	2	2	37.15	03-24-58	NONE	UPGLAC	
N 6489	BOHACK CORP	D 5	1955	82	RECH	RECH	116	-23 TO -34	11	4	65	10-00-55	NONE	UPGLAC	
N 6691	A.GITTLESON	D 6	1959	145	DOM	WTDR	103	47 TO 42	5	6	74	07-00-59	SUBM	UPGLAC	

Table 3.--*Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 6692	SANDS POINT CDS	E 5	1918	112	P.S.	WTDR	320			8			OTHR	PTWCU	
N 6717	A.MELTZER	E 4	1960	42	DOM	WTDR	128	-75 TO -86	11	6	34.3	09-04-59	TURB	PTWAQ	11
N 6721	TEMPLE B.SHOLEM	D 6	1959	148	UNSD	DEST	119	43 TO 29	14	8	79.7	08-06-59	NONE	UPGLAC	16
N 6730	PLANDOME ASSOC	D 5	1959	28		WTDR	102	-64 TO -74	10	6	14.5	09-04-59	SUBM	UPGLAC	10
N 6738	TEMPLE B.SHOLEM	D 6	1959	152	UNSD	DEST	123	40 TO 29	11	6	82	09-00-59	NONE	UPGLAC	
N 6754	PLANDOME ASSOC	D 5	1959	31	RECH	RECH	106	-55 TO -75	20	6	20	09-00-59	NONE	UPGLAC	
N 6760	MR.SOFTIE	C 6	1959	91	IND	WTDR	81	16 TO 11	5	4	29	10-00-59	SUBM	UPGLAC	
N 6766	M.LAHM	E 5	1959	189	DOM	WTDR	144	51 TO 45	6	6	96	10-07-59	SUBM	UPGLAC	11
N 6812	WESTBURY HEBREW	D 6	1960	123	ARCD	WTDR	97	46 TO 26	20	8	46.5	01-15-60	SUBM	UPGLAC	13
N 6819	WESTBURY WD	D 7	1960	130	P.S.	WTDR	270	-85 TO -135	50	20	57	04-01-60	SUBM	MAGOTHY	31
N 6845	COLONIAL SAND	E 6		18	UNSD	DEST	360			12			NONE	PTWAQ	
N 6858	SANDS POINT CDS	E 5	1961	109	INST	WTDR	356	-229 TO -244	15	8	101	03-23-61	SUBM	PTWAQ	12
N 6859	M.P.ELZAY	E 5	1960	71	DOM	WTDR	127	-49 TO -55	6	4	78	03-07-60	SUBM	UPGLAC	3
N 6865	ASHER BROS. INC	C 5	1960	87	IND	WTDR	301	-193 TO -214	21	8	24.8	05-25-60	TURB	MAGOTHY	10
N 6907	REESE	D 6	1960	138	UNSD	DEST	134	15 TO 4	11	4	68	06-28-60	NONE	MAGOTHY	10
N 6918	EMPIRE BILLET	C 5	1960	87	UNSD	DEST	303	-196 TO -216	20	10	23	07-26-60	NONE	MAGOTHY	22
N 6925	GREAT NECK SD	D 5	1960	11	UNSD	UNSD	276	-255 TO -265	10	4	30	07-21-60	TURB	LLOYD	4
N 6945	GARD. CTY PK WD	D 5	1960	154	UNSD	TEST	514						NONE		
N 6945	GARD. CTY PK WD	D 5	1961	154	P.S.	WTDR	406	-197 TO -247	50	20	92.5	06-09-61	TURB	MAGOTHY	37
N 6969	J.GILLIGAN	E 5	1960	24	DOM	WTDR	127	-98 TO -103	5	4	47	10-03-60	SUBM	UPGLAC	1
N 6972	LEASE-PLAN INT	D 5	1960	78	ARCD	WTDR	126	-41 TO -48	7	6	65.5	10-12-60	SUBM	UPGLAC	1
N 7007	GREAT NECK VIL	D 5	1960	114	UNSD	UNSD	150	-26 TO -36	10	6	105	11-00-60	SUBM	UPGLAC	
N 7053	NORTH HILLS GC	D 5	1961	209	IRR	WTDR	286	-37 TO -77	40	12	120	06-20-61	TURB	MAGOTHY	77
N 7087	GERTZ STORES	D 5	1961	98	COM	WTDR	203	-74 TO -105	20	8	79	08-03-61	TURB	MAGOTHY	9
N 7088	INSUL-CUP	C 5	1961	100	UNSD	UNSD	70	35 TO 30	5	6	35	06-00-61	SUBM	UPGLAC	
N 7104	ROSLYN WD	D 6	1961	158	UNSD	TEST	472						NONE		
N 7104	ROSLYN WD	D 6	1962	158	P.S.	WTDR	436	-203 TO -273	55	20	90	06-05-62	TURB	MAGOTHY	22
N 7126	MANH.-LAKE. WD	D 5	1961	193	UNSD	TEST	829						NONE		
N 7126	MANH.-LAKE. WD	D 5	1961	193	P.S.	WTDR	461	-185 TO -265	80	20	134.5	09-21-61		MAGOTHY	35
N 7157	SANDS POINT	E 5	1962	122	P.S.	WTDR	243	-13 TO -118	55	16	102	04-12-62	SUBM	UPGLAC	60
N 7162	GREAT NECK VIL	D 5	1961	114	UNSD	UNSD	150	-26 TO -36	10	6	105	11-00-61	NONE	UPGLAC	
N 7186	M.MAGENHEIMER	C 6	1962	92	UNSD	UNSD	322	-190 TO -230	40	12	15	02-06-62	TURB	MAGOTHY	31
N 7216	GREAT NECK SD	D 5	1962	16	COM	WTDR	117	-91 TO -101	10	6	FLOWING	03-21-62	TURB	UPGLAC	
N 7244	COLONIAL SAND	E 6	1962	12	IND	WTDR	302	-280 TO -290	10	8	2	06-00-62	TURB	PTWAQ	4
N 7258	GERTZ STORES	D 5	1962	99	RECH	RECH	125	5 TO -26	31	6	55	04-00-62	NONE	UPGLAC	
N 7334	JAMAICA WTR CO	D 5	1962	120	UNSD	TEST	482						NONE		
N 7334	JAMAICA WTR CO	D 5	1962	120	UNSD	TEST	450	-310 TO -330	20		72	10-15-62		MAGOTHY	
N 7334	JAMAICA WTR CO	D 5	1962	120	UNSD	TEST	292	-152 TO -172	20		72	10-31-62		MAGOTHY	
N 7336	P.F.CAPUTO	D 6	1962	144	DOM	WTDR	123	27 TO 21	6	4	71	12-11-62	SUBM	MAGOTHY	
N 7353	WESTBURY WD	D 7	1962	120	UNSD	TEST	415						NONE		

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 7353	WESTBURY WD	D 7	1962	120	P.S.	WTDR	391	-180 TO -270	90	20	39.6	10-31-62	TURB	MAGOTHY	59
N 7376	PIONEER MASON	C 5	1966	96	IND	WTDR	106	-3 TO -10	7	4	49	01-24-66	SUBM		
N 7386	MRS.P.GARDINER	D 6	1963	183	DOM	WTDR	118	71 TO 65	6	4	69	05-01-63	SUBM	UPGLAC	
N 7399	APCO ELEC. CORP	D 5	1963	126	ARCD	WTDR	200	-63 TO -73	10	6	95	01-10-63	SUBM	UPGLAC	1
N 7425	ROHACK CORP	D 5	1963	82	COM	WTDR	118	-31 TO -36	5	8	65	07-27-63	SUBM	UPGLAC	13
N 7445	JAMAICA WTR. CO	D 5	1964	120	P.S.	WTDR	453	-268 TO -328	60	18	74	04-28-64	TURB	MAGOTHY	30
N 7454	LOUIS KOCH	D 6	1963	138	DOM	WTDR	104	46 TO 34	12	4	62	06-00-63	SUBM	UPGLAC	
N 7470	FLATLANDS READY	D 7	1963	100	IND	WTDR	62	54 TO 38	16	8	18	09-02-63	SUBM	UPGLAC	10
N 7512	GARD. CTY PK WD	D 5	1965	123	P.S.	WTDR	380	-202 TO -252	50	20	68	06-30-65	TURB	MAGOTHY	26
N 7513	OLD WESTBURY	D 6	1964	154	P.S.	WTDR	475	-266 TO -316	50	20	96	06-17-64	TURB	MAGOTHY	16
N 7524	L.LEVER	C 6	1964	106	ARCD	WTDR	280	-149 TO -174	25	8	49	02-07-64	TURB	MAGOTHY	34
N 7551	PORT WASH. WD	D 6	1964	162	UNSD	TEST	605						NONE		
N 7551	PORT WASH. WD	D 6	1964	162	P.S.	WTDR	473	-213 TO -307	94	20	114.6	10-08-64	TURB	MAGOTHY	14
N 7552	PORT WASH. WD	D 6	1964	143	UNSD	TEST	598						NONE		
N 7552	PORT WASH. WD	D 6	1964	143	P.S.	WTDR	458	-217 TO -311	94	20	91	08-04-64	SUBM	MAGOTHY	19
N 7553	PORT WASH. WD	D 6	1964	153	UNSD	TEST	458						NONE		
N 7553	PORT WASH. WD	D 6	1964	153	UNSD	OBS	406	-243 TO -253	10	6	102	05-00-64	NONE	MAGOTHY	
N 7554	PORT WASH. WD	D 6	1964	190	UNSD	TEST	500						NONE		
N 7554	PORT WASH. WD	D 6	1964	190	UNSD	OBS	464	-264 TO -274	10	6			NONE	MAGOTHY	
N 7560	LEVITT AND SONS	D 5	1964	150	COM	WTDR	242	-71 TO -91	20	8	105	09-26-64	SUBM	MAGOTHY	22
N 7578	REAL AND DIVER	E 5	1964	39	UNSD	UNSD	79	-33 TO -40	7	4	34	06-03-64	SUBM	UPGLAC	
N 7581	TEMPLE SINAI	D 6	1964	123	ARCD	WTDR	93	40 TO 30	10	6	49.5	07-10-64	SUBM	UPGLAC	10
N 7613	MANSOL HOLDING	D 4	1963	38	DOM	WTDR	235	-183 TO -197	14	6	43	07-00-62		LLOYD	3
N 7651	MANH.-LAKE. WD	D 5	1964	162	UNSD	TEST	573						NONE		
N 7651	MANH.-LAKE. WD	D 5	1964	162	P.S.	WTDR	408	-159 TO -243	84	20	109	10-09-64	TURB	MAGOTHY	50
N 7666	MANH.-LAKE. WD	D 5	1964	162	UNSD	TEST	525						NONE		
N 7666	MANH.-LAKE. WD	D 5	1964	162	OTHR	DEST	200						NONE	MAGOTHY	
N 7670	NASSAU CO DPW	D 6	1964	100	UNSD	OBS	128	-26 TO -28	2	2	43.11	09-10-64	NONE	MAGOTHY	
N 7671	NASSAU CO DPW	D 6	1964	189	UNSD	OBS	154	37 TO 35	2	2	113.76	09-16-64	NONE	MAGOTHY	
N 7673	NASSAU CO DPW	D 6	1964	95	UNSD	OBS	200	-103 TO -105	2	2	29.23	12-18-64	NONE	MAGOTHY	
N 7731	R.MILLSPUGH	D 5	1965	167	DOM	WTDR	149	24 TO 18	6	4	111	01-00-65	SUBM	UPGLAC	
N 7732	AUTRONIC PLAS	D 7	1965	121	COM	WTDR	108	24 TO 14	10	4	48	01-00-65	SUBM	MAGOTHY	
N 7747	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	138	-102 TO -123	21	8	1.6	02-09-65	OTHR	UPGLAC	45
N 7748	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	146	-110 TO -131	21	8	0.0	02-09-65	OTHR	UPGLAC	29
N 7749	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	141	-105 TO -126	21	8	1	02-09-65	OTHR	UPGLAC	30
N 7750	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	139	-103 TO -124	21	8	1.3	02-09-65	OTHR	UPGLAC	19
N 7751	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	139	-103 TO -124	21	8	FLOWING	02-09-65	OTHR	UPGLAC	15
N 7752	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	141	-105 TO -126	21	8	FLOWING	02-10-65	OTHR	UPGLAC	16
N 7753	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	140	-104 TO -125	21	8	FLOWING	02-10-65	OTHR	UPGLAC	12
N 7754	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	139	-103 TO -124	21	8	FLOWING	02-10-65	OTHR	UPGLAC	16

Table 3.--Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 7755	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	141	-105 TO -125	20	8	FLOWING	02-09-65	OTHR	UPGLAC	14
N 7756	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	141	-105 TO -125	20	8	FLOWING	02-11-65	OTHR	UPGLAC	14
N 7757	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	141	-105 TO -126	21	8	2.3	02-10-65	OTHR	UPGLAC	
N 7758	MANH.-LAKE. WD	D 5	1965	15	P.S.	WTDR	141	-105 TO -125	20	8	FLOWING	02-10-65	OTHR	UPGLAC	
N 7770	LEASE PLAN INT	D 5	1965	43	UNSD	TEST	310						NONE		
N 7770	LEASE PLAN INT	D 5	1965	43	UNSD	DEST	101	-18 TO -58	24	8	37	05-03-65	NONE	UPGLAC	4
N 7785	WESTBURY WD	D 6	1965	108	P.S.	WTDR	404	-222 TO -292	70	20	47	11-27-64	SUBM	MAGOTHY	47
N 7846	J.H.WHITNEY EST	D 5	1965	30	DOM	WTDR	129	-72 TO -99	27	8	FLOWING	05-24-65	TURB	UPGLAC	
N 7849	S.G.ATLAS	C 6	1965	106	COM	WTDR	251	-114 TO -144	30	10	39	06-05-65	TURB	MAGOTHY	38
N 7873	ROSLYN WD	D 6	1966	253	P.S.	WTDR	535	-217 TO -277	60	20	121	08-10-66	TURB	MAGOTHY	14
N 7892	MANH.-LAKE. WD	D 5	1965	200	P.S.	WTDR	455	-166 TO -251	85	20	155	06-21-65	TURB	MAGOTHY	27
N 7922	J.RAE	D 5	1965	80	UNSD	DEST	202						NONE		
N 7936	F.REESE	D 6	1965	138	DOM	WTDR	143	6 TO -5	11	6	89	09-09-65	SUBM	MAGOTHY	5
N 7961	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	140	-104 TO -124	20	8	FLOWING	02-02-66	OTHR	UPGLAC	19
N 7962	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	133	-97 TO -117	20	8	FLOWING	02-02-66	OTHR	UPGLAC	11
N 7963	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	138	-102 TO -122	20	8	FLOWING	02-02-66	OTHR	UPGLAC	14
N 7964	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	140	-105 TO -125	20	8	FLOWING	02-02-66	OTHR	UPGLAC	12
N 7965	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	138	-102 TO -122	20	8	FLOWING	02-03-66	OTHR	UPGLAC	
N 7966	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	141	-106 TO -126	20	8	FLOWING	02-02-66	OTHR	UPGLAC	20
N 7967	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	140	-104 TO -124	20	8	FLOWING	02-03-66	OTHR	UPGLAC	11
N 7968	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	138	-102 TO -122	20	8	FLOWING	02-03-66	OTHR	UPGLAC	15
N 7969	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	142	-107 TO -127	20	8	FLOWING	04-19-66	OTHR	UPGLAC	17
N 7970	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	141	-106 TO -126	20	8	FLOWING	02-04-66	OTHR	UPGLAC	15
N 7971	MANH.-LAKE. WD	D 5	1966	15	P.S.	WTDR	143	-108 TO -128	20	8	FLOWING	04-19-66	OTHR	UPGLAC	10
N 7977	J.RAE	D 5	1965	78	DOM	WTDR	135	-47 TO -57	10	6	22	09-13-65	SUBM	UPGLAC	
N 7980	J.LAMPARTER	D 6	1967	161	DOM	WTDR	155	12 TO 6	6	4	101	01-21-66	SUBM	MAGOTHY	
N 8007	WESTBURY WD	D 6	1966	120	P.S.	WTDR	564	-370 TO -444	74	20	63	02-17-66	SUBM	MAGOTHY	7
N 8010	ROSLYN WD	D 6	1967	225	P.S.	WTDR	453	-153 TO -223	60	20	187	04-05-67	TURB	MAGOTHY	
N 8038	LAKE SUCCESS	D 5	1966	210	IRR	WTDR	295	-61 TO -85	24	12	167	04-13-66	TURB	MAGOTHY	25
N 8046	NASSAU CO DPW	D 4	1966	9	UNSD	OBS	189	-175 TO -180	5	4			NONE	PTWAQ	
N 8052	NASSAU CO DPW	D 4	1966	9	UNSD	OBS	94			2	5.12	04-12-66	NONE	UPGLAC	
N 8095	COLONIAL SAND	D 6	1968	35	IND	WTDR	400	-354 TO -365	11	8	24	06-04-68	SUBM	LLOYD	3
N 8096	COLONIAL SAND	D 6	1967	27	UNSD	DEST	410	-372 TO -383	11	8	25	08-04-67	NONE	LLOYD	3
N 8132	DR.FELICE	E 5	1966	35	UNSD	DEST	136						NONE		
N 8148	THOMSON IND	E 5	1966	28	UNSD	UNSD	243	-198 TO -215	17	6	29	08-00-66	SUBM	PTWAQ	
N 8163	H.CAZALET	D 5	1966	156	DOM	WTDR	151	10 TO 5	5	4	111	08-00-66	SUBM	MAGOTHY	
N 8164	S.GOLDBERG	E 5	1966	35	DOM	WTDR	110	-69 TO -75	6	4	70	09-00-66	SUBM	UPGLAC	1
N 8166	S.BERLEY	E 5	1966	61	DOM	WTDP	114	-38 TO -53	15	6	42	08-07-66	SUBM	UPGLAC	
N 8169	A.JUST	E 5	1966	81	DOM	WTDR	142	-51 TO -61	10	4	70	11-00-66	SUBM	UPGLAC	2
N 8170	F.REA	E 5	1966	92	DOM	WTDR	115	-18 TO -23	5	4	80	11-00-66	SUBM	UPGLAC	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 8181	OLD WEST. GARD	D 6	1968	141	IRR	WTDR	240	-89 TO -99	10	8			SUBM	MAGOTHY	
N 8210	G.HUNTINGTON	E 5	1966	64	DOM	WTDR	135	-61 TO -71	10	6	80	08-05-66	SUBM	UPGLAC	6
N 8211	BERNARD PRINT	D 5	1967	120	IND	WTDR	225	-90 TO -105	15	10	75.8	11-15-66	SUBM	MAGOTHY	
N 8221	B.D.SCHWARTZ	D 4	1967	75	DOM	WTDR	290	-204 TO -215	11	6	76	02-00-67	SUBM	LLOYD	2
N 8246	SAND POINT GC	E 5	1967	101	IRR	WTDR	350	-219 TO -249	30	12	100	03-24-67	TURB	PTWAQ	12
N 8248	WILLISTON PARK	D 6	1967	118	UNSD	TEST	518						NONE		
N 8248	WILLISTON PARK	D 6	1968	118	P.S.	WTDR	400	-197 TO -282	85	20	62	05-09-67	TURB	MAGOTHY	27
N 8255	CONST. UNLIM	D 5	1967	105	COM	WTDR	300	-71 TO -195	36	10	79	05-31-67		MAGOTHY	13
N 8267	KLEIN-TEICHOLZ	D 5	1967	125	UNSD	TEST	285	-148 TO -160	12	8	94	05-23-67	NONE	MAGOTHY	1
N 8269	NASSAU CO DPW	D 6	1967	111	UNSD	DEST	64	50 TO 47	3	1.25	49.43	04-04-67	NONE	UPGLAC	
N 8269	NASSAU CO DPW	D 6	1976	111	UNSD	OBS	86	30 TO 25	5	4	40.63	06-23-76	NONE	MAGOTHY	
N 8277	L.I.LIGHTING CO	C 6	1967	103	ARCD	WTDR	361	-228 TO -258	30	12	55	06-05-67	SUBM	MAGOTHY	29
N 8309	NASSAU CO DPW	D 5	1967	143	UNSD	OBS	199	-51 TO -56	5	4	106.63	03-31-67	NONE	MAGOTHY	
N 8310	G.BARES	E 5	1967	114	DOM	WTDR	118	6 TO -4	10	4	43	07-01-67	SUBM	UPGLAC	
N 8313	SANDS POINT	E 5	1967	49	P.S.	WTDR	168	-65 TO -116	41	18	45	08-02-67	TURB	UPGLAC	26
N 8342	CITIZENS WTR CO	D 5	1967	18	P.S.	WTDR	434	-355 TO -416	61	16	11	08-08-67	TURB	LLOYD	25
N 8358	L.S.Q. CORP	D 5	1967	119	UNSD	TEST	455						NONE		
N 8358	L.S.Q. CORP	D 5	1967	119	ARCD	WTDR	397	-236 TO -278	42	12	80	00-00-67	TURB	MAGOTHY	
N 8372	L.S.Q. CORP	D 5	1967	119	RECH	RECH	348	-167 TO -227	60	8	80	10-11-67	NONE	MAGOTHY	
N 8373	L.S.Q. CORP	D 5	1968	119	RECH	RECH	350	-171 TO -231	60	8	80	05-00-68	NONE	MAGOTHY	
N 8375	CONST. UNLIM	D 5	1967	110	RECH	RECH	545	-388 TO -435	47	8	119	09-00-67	NONE	LLOYD	
N 8409	GARD. CTY PK WD	C 6	1969	96	P.S.	WTDR	405	-244 TO -304	60	20	62	05-06-69	TURB	MAGOTHY	36
N 8413	GREAT NECK VIL	D 5	1968	39	COM	WTDR	133	-84 TO -94	10	6	34	07-00-68	SUBM	MAGOTHY	
N 8431	280 BOULEVARD	D 5	1968	68	COM	WTDR	96	-13 TO -28	15	8	55	06-27-68	SUBM	UPGLAC	4
N 8455	R.BALLIN	D 5	1968	55	DOM	WTDR	237	-172 TO -182	10	6	61	07-00-68	SUBM	PTWAQ	
N 8455	R.BALLIN	D 5	1971	55	UNSD	TEST	279						NONE		
N 8456	CONST. UNLIM	D 5	1968	105	UNSD	TEST	624						NONE		
N 8456	CONST. UNLIM	D 5	1968	105	COM	WTDR	600	-454 TO -495	41	10	112	11-07-68	SUBM	LLOYD	16
N 8457	CARLE PLACE WD	C 6	1969	106	P.S.	WTDR	440	-249 TO -329	60	20	46.3	12-09-70	TURB	MAGOTHY	27
N 8472	ADVANCE FOOD	D 7	1968	126	IND	WTDR	195	-59 TO -69	10	6	58	08-00-68	SUBM	MAGOTHY	
N 8477	ROSLYN PLAZA	D 6	1969	188	UNSD	TEST	753						NONE		
N 8477	ROSLYN PLAZA	D 6	1969	188	COM	WTDR	710	-480 TO -520	40	8	183	01-22-69		LLOYD	11
N 8478	PUB. CLEAR. HSE	E 5	1968	39	COM	WTDR	156	-106 TO -117	11	6	36	09-26-68		PTWCU	2
N 8497	WESTBURY WD	D 7	1968	115	UNSD	TEST	604						NONE		
N 8497	WESTBURY WD	D 7	1969	115	P.S.	WTDR	544	-341 TO -424	83	20	51	01-24-69	SUBM	MAGOTHY	34
N 8499	HYDE PARK ASSOC	D 5	1969	140	ARCD	WTDR	270	-20 TO -130	60	16	108	11-22-68	TURB	MAGOTHY	25
N 8501	NASSAU CO DPW	D 5	1968	154	UNSD	OBS	171	-12 TO -17	5	1.25	123.65	08-30-68	NONE	MAGOTHY	
N 8516	HYDE PARK ASSOC	D 5	1969	130	UNSD	TEST	255						NONE		
N 8543	WESTBURY THEA	D 6	1969	106	RECH	RECH	160	-28 TO -54	26	6	40	04-00-69	NONE	MAGOTHY	
N 8551	NASSAU CO DPW	D 5	1969	168	UNSD	OBS	182	-9 TO -14	5	1.25	133.00	01-14-69	NONE	MAGOTHY	

Table 3.--*Well completion data on selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 8558	ALBERTSON WD	D 6	1969	142	UNSD	TEST	515						NONE		
N 8558	ALBERTSON WD	D 6	1969	142	P.S.	WTDR	415	-208 TO -268	60	20	92	07-08-69	TURB	MAGOTHY	54
N 8564	HYDE PARK ASSOC	D 5	1970	148	ARCD	WTDR	320	-22 TO -172	60	18	122	07-02-69	TURB	MAGOTHY	49
N 8565	HYDE PARK ASSOC	D 5	1970	130	RECH	RECH	260	-70 TO -130	60	8	91	06-00-70	NONE	MAGOTHY	
N 8566	HYDE PARK ASSOC	D 5	1970	130	RECH	RECH	250	-60 TO -120	60	8	90	00-00-70	NONE	MAGOTHY	
N 8567	HYDE PARK ASSOC	D 5	1970	130	RECH	RECH	250	-60 TO -120	60	8	90	00-00-70	NONE	MAGOTHY	
N 8568	HYDE PARK ASSOC	D 5	1970	130	RECH	RECH	241	-71 TO -111	40	8	90	00-00-70	NONE	MAGOTHY	
N 8569	ROSLYN PLAZA	D 6	1969	195	RECH	RECH	745	-498 TO -550	52	6	180	08-00-69	NONE	LLOYD	
N 8576	MINEOLA	C 6	1969	112	UNSD	TEST	551						NONE		
N 8576	MINEOLA	C 6	1971	112	P.S.	WTDR	510	-333 TO -393	60	20	65	06-11-71	TURB	MAGOTHY	12
N 8584	NASSAU CO DPW	C 5	1969	109	UNSD	OBS	73	39 TO 36	3	2	66.85	05-26-69	NONE	UPGLAC	
N 8585	U.S. GEOL SURV	C 5	1969	111	UNSD	OBS	107	9 TO 4	5	4	67.76	05-23-69	NONE	UPGLAC	
N 8594	TEMPLE BETH-EL	D 5	1969	71	ARCD	WTDR	160	-74 TO -89	15	8	54	10-14-69	SUBM	PTWAQ	6
N 8601	HOLY ROOD CTRY	D 7	1969	104	IRR	WTDR	340	-215 TO -235	20	8	43.5	11-14-69	SUBM	MAGOTHY	13
N 8608	COLONIAL SAND	D 6	1970	27	IND	WTDR	424	-377 TO -397	20	8	23.8	06-19-70	SUBM	LLOYD	10
N 8623	AMER. IMP. PROD	C 6	1966	105	IND	WTDR	96	20 TO 9	11	6	58	08-16-66	TURB	UPGLAC	
N 8624	COLONIAL SAND	E 6	1970	15	IND	WTDR	377	-346 TO -362	16	6	6.2	03-19-70	SUBM	LLOYD	4
N 8678	MANH.-LAKE. WD	D 5	1970	183	UNSD	TEST	595						NONE		
N 8694	NASSAU CO DPW	C 5	1970	96	UNSD	OBS	63	38 TO 33	5	2	52.90	07-07-70	NONE	UPGLAC	
N 8707	D.E.AXINN	E 5	1970	54	DOM	WTDR	100	-41 TO -46	5	4	68	11-15-70	SUBM	UPGLAC	5
N 8761	NO. HEMP. CC	D 5	1971	140	IRR	WTDR	255	-85 TO -115	30	12	116	10-04-71	TURB	UPGLAC	34
N 8766	SANDS POINT	E 5	1971	98	UNSD	TEST	386						NONE		
N 8766	SANDS POINT	E 5	1971	98	UNSD	OBS	362	-222 TO -262	40	8	94.5	06-01-71	NONE	PTWAQ	8
N 8790	PLANDOME CC	D 5	1971	76	IRR	WTDR	443	-336 TO -366	30	12	93	08-27-71	TURB	LLOYD	13
N 8799	WHEATLEY HLS GC	D 6	1971	111	UNSD	TEST	230						NONE		
N 8799	WHEATLEY HLS GC	D 6	1972	111	IRR	WTDR	221	-79 TO -110	31	12	51	08-04-71	SUBM	MAGOTHY	28
N 8801	A.L.L. ASSOC	D 5	1972	147	ARCD	WTDR	280	-103 TO -133	30	12	110	07-17-72	TURB	MAGOTHY	25
N 8803	A.L.L. ASSOC	D 5	1972	146	RECH	RECH	278	-34 TO -131	40	10	110	00-00-72	NONE	MAGOTHY	
N 8819	NASSAU CO DPW	D 6	1971	163	UNSD	TEST	87						NONE		
N 8821	TIRE REALTY	D 5	1972	133	UNSD	DEST	240	-87 TO -107	20	10	110	00-00-72	SUBM	MAGOTHY	8
N 8840	TIRE REALTY	D 5	1972	122	UNSD	DEST	240	-82 TO -118	36	10	118	07-08-72	NONE	MAGOTHY	
N 8877	NASSAU CO DPW	D 5	1972	12	UNSD	OBS	76	-59 TO -64	5	4	1.69	08-23-72	NONE	UPGLAC	
N 8879	NASSAU CO DPW	D 5	1972	10	UNSD	DEST	53	-38 TO -43	5	4	7.40	08-31-72	NONE	UPGLAC	
N 8879	NASSAU CO DPW	D 5	1975	10	UNSD	OBS	63	-48 TO -53	5	4	FLOWING	07-30-75	NONE	UPGLAC	
N 8885	OLD WESTBURY CC	D 6	1972	196	IRR	WTDR	298	-61 TO -102	41	12	134	11-06-73	TURB	MAGOTHY	37
N 8890	H.CAHN	E 5	1973	65	UNSD	TEST	173				55.10	04-23-73			
N 8890	H.CAHN	E 5	1973	65	OTHR	WTDR	60							UPGLAC	
N 8891	NASSAU CO DPW	E 5	1972	60	UNSD	OBS	72	-7 TO -12	5	4	49.35	11-16-72	NONE	UPGLAC	
N 8929	NASSAU CO DPW	E 5	1973	51	UNSD	DEST	105	-50 TO -54	4	2	51.70	01-11-73	NONE	UPGLAC	
N 8933	NASSAU CO DPW	D 5	1973	32	UNSD	OBS	148	-111 TO -116	5	2	21.39	03-15-73	NONE	PTWAQ	

WELL NUMBER	OWNER OR WELL USER	MAP COORD	YEAR COMP-LETED	ALTITUDE OF LSD (FT ABOVE MSL)	USE OF WATER	USE OF WELL	DEPTH OF WELL (FT)	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	TOTAL SCREEN LENGTH (FT)	DIAM OF WELL (IN)	WATER LEVEL (FT BELOW LSD)	DATE OF MEAS. (M-D-Y)	LIFT TYPE	AQUIFER DEVEL-OPED	SPECIFIC CAPACITY (GPM/FT)
N 8964	NASSAU CO DPW	D 5	1973	47	UNSD	TEST	235						NONE		
N 8964	NASSAU CO DPW	D 5	1973	47	UNSD	OBS	85	-33 TO -38	5	2	30.72	07-09-73	NONE	UPGLAC	
N 8970	NASSAU CO DPW	D 5	1973	154	UNSD	OBS	193	-34 TO -39	5	2	129.57	07-11-73	NONE	UPGLAC	
N 8994	SANDS POINT	E 5	1974	21	UNSD	OBS	308	-277 TO -287	10	6	14.2	11-26-74	NONE	PTWAQ	1
N 8996	DEAF-BLIND SCH	E 5	1974	82	ARCD	WTDR	387	-290 TO -305	15	8	85	04-00-74	SUBM	PTWAQ	
N 9005	NORTH HEMPSTEAD	D 6	1974	53	UNSD	OBS	50	13 TO 8	5	6	31.5	05-00-74	NONE	UPGLAC	
N 9006	NORTH HEMPSTEAD	D 6	1974	52	UNSD	OBS	87	-28 TO -33	5	6	31.5	05-00-74	NONE	UPGLAC	
N 9007	NORTH HEMPSTEAD	D 5	1974	54	UNSD	OBS	97	-32 TO -43	11	6	39.0	05-00-74	NONE	UPGLAC	
N 9008	NORTH HEMPSTEAD	D 5	1974	54	UNSD	OBS	180	-115 TO -126	11	6	38.3	05-00-74	NONE	UPGLAC	
N 9019	NORTH HEMPSTEAD	D 6	1974	46	OTHR	WTDR	411	-323 TO -365	42	6	35	06-14-74	SUBM	LLOYD	2
N 9045	DEAF-BLIND SCH	E 5	1974	85	RECH	RECH	307	-182 TO -222	40	6	84	07-26-74	NONE	PTWCU	
N 9062	LA GREGA CORP	D 7	1975	124	IND	WTDR	143	-9 TO -19	10	6	143	02-18-75	SUBM	MAGOTHY	
N 9080	DANIEL GAMMONE	C 5	1975	107	DOM	WTDR	111	1 TO -4	5	4	75	08-14-75	SUBM	UPGLAC	
N 9098	NASSAU CO DPW	D 5	1976	59	UNSD	OBS	72	-8 TO -13	5	4	35.55	03-17-76	NONE	UPGLAC	
N 9099	NASSAU CO DPW	D 5	1976	60	UNSD	OBS	71	-6 TO -11	5	4	36.36	02-18-76	NONE	UPGLAC	
N 9110	CITIZENS WTR CO	D 5	1934	15	UNSD	OBS	386	-351 TO -371	20	8			NONE	LLOYD	
N 9111	CITIZENS WTR CO	D 5	1906	15	UNSD	DEST	160			6			NONE	MAGOTHY	
N 9116	NASSAU CO DPW	E 5	1976	15	UNSD	OBS	31	-11 TO -16	5	4	4.75	04-20-76	NONE	UPGLAC	
N 9118	NASSAU CO DPW	E 5	1976	51	UNSD	OBS	100	-44 TO -49	5	4	44.63	04-14-76	NONE	UPGLAC	
N 9134	CITIZENS WTR CO	D 5	1910	8	UNSD	DEST	173			6			NONE	MAGOTHY	
N 9135	CITIZENS WTR CO	D 5	1910	8	UNSD	DEST	410			6			NONE	LLOYD	
N 9136	CITIZENS WTR CO	D 5	1911	8	UNSD	DEST	400			6			NONE	LLOYD	
N 9137	CITIZENS WTR CO	D 5	1911	8	UNSD	DEST	388			6			NONE	LLOYD	
N 9138	CITIZENS WTR CO	D 5	1911	11	UNSD	DEST	410			6			NONE	LLOYD	
N 9139	CITIZENS WTR CO	D 5	1911	10	UNSD	DEST	410			6			NONE	LLOYD	
N 9140	CITIZENS WTR CO	D 5	1911	11	UNSD	DEST	135			6			NONE	MAGOTHY	
N 9141	CITIZENS WTR CO	D 5	1911	10	UNSD	DEST	129			6			NONE	MAGOTHY	
N 9142	CITIZENS WTR CO	D 5	1911	8	UNSD	DEST	153			6			NONE	MAGOTHY	
N 9143	CITIZENS WTR CO	D 5	1911	11	UNSD	DEST	140			6			NONE	MAGOTHY	
N 9144	CITIZENS WTR CO	D 5	1911	11	UNSD	DEST	340			6			NONE	LLOYD	
N 9145	CITIZENS WTR CO	D 5	1912	8	UNSD	DEST	198			6			NONE	MAGOTHY	
N 9146	CITIZENS WTR CO	D 5	1911	8	UNSD	DEST	409			6			NONE	LLOYD	
N 9147	CITIZENS WTR CO	D 5	1912	11	UNSD	DEST	356			6			NONE	LLOYD	
N 9148	CITIZENS WTR CO	D 5	1912	11	UNSD	DEST	156			6			NONE	MAGOTHY	
N 9171	MINEOLA	C 6	1907	114	UNSD	DEST	100			6			NONE	UPGLAC	
N 9172	MINEOLA	C 6	1907	114	UNSD	DEST	100			6			NONE	UPGLAC	
N 9208	NASSAU CO DPW	D 5	1977	18	UNSD	TEST	124						NONE		
N 9208	NASSAU CO DPW	D 5	1977	18	UNSD	OBS	96	-73 TO -78	5	4	7.51	06-28-77	NONE	PTWCU	
N 9260	NASSAU CO DPW	D 4	1977	47	UNSD	TEST	140						NONE		
N 9271	NASSAU CO DPW	D 4	1977	50	UNSD	OBS	88	-33 TO -38	5	4			NONE	UPGLAC	

Table 4.--Hydrogeologic Correlations of Selected Wells and Test Holes in Town of North Hempstead, Nassau County, New York

Table 4

EXPLANATION OF COLUMNAR DATA AND ABBREVIATIONS

Well Number

Well numbers are assigned by the New York State Department of Environmental Conservation. The prefix N designates Nassau County.

Location of Well

Locations of wells are given by map coordinates, based on a latitude and longitude grid system, to aid the reader in locating the wells shown in plate 1. In this system, 5-minute intervals of latitude are lettered consecutively from south to north, and 5-minute intervals of longitude are numbered consecutively from west to east. The grid coordinates are shown along the margins of plate 1.

The wells are also numbered according to the national well-numbering system of the U.S. Geological Survey. This system locates wells to the nearest second of latitude and longitude and gives a sequence number to the well to denote the chronological order in which a particular well within a 1-second quadrangle was recorded. For example, in well number 4049380733852.01 (N 1849), the first six numbers indicate latitude 40°49'38" north; the remaining numbers before the period indicate longitude 073°38'52". The 01 after the period is the sequence number. It was the first of five wells (N 1849 to N 1853 in the 1-second quadrangle) to be defined by latitude and longitude.

Hydrogeologic Unit Penetrated and Altitude of Top of Unit

Altitudes of the tops of the hydrogeologic units penetrated by wells are given in feet above or below mean sea level. These data were used to compile the maps and sections in this report. A minus (-) sign preceding the altitude figure indicates that the altitude is below sea level. The number in the "upper glacial aquifer" column is the altitude of the land surface at the well site. Absence of an altitude figure indicates that the test hole did not penetrate the unit.

Table 4.--*Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York*

WELL NUMBER		MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
				Hydrogeologic unit penetrated and altitude of top of unit in feet above or below (-) MSL						
N	14	C 5	4044110734137.01	99						
N	15	C 5	4044270734149.01	116			9			
N	16	C 5	4044160734015.01	89			3	-343		
N	17	C 5	4044370734023.01	101						
N	17	C 5	4044370734023.02	101			-24	-368		
N	19	D 5	4045150734112.01	121			23			
N	20	D 5	4046050734232.01	210			65			
N	22	D 5	4046420734405.01	16			-57			
N	23	D 5	4046420734405.02	18			-54	-178	-280	-416
N	23	D 5	4046420734405.03	18						
N	24	D 5	4047350734242.01	12				-171	-261	-416
N	24	D 5	4047350734242.02	12						
N	24	D 5	4047350734242.03	12						
N	25	D 5	4047340734240.01	14						
N	27	D 5	4047540734159.01	100						
N	28	D 5	4048330734147.01	31						
N	29	D 5	4048300734148.01	29			-173			
N	30	D 5	4049010734430.01	18	-37	-131				
N	31	D 5	4048560734426.01	9	-20	-162				-355
N	31	D 5	4048560734426.02	9						
N	33	F 5	4050110734150.01	20	-38	-212				-345
N	34	F 5	4050100734150.01	23						
N	35	F 5	4050090734150.01	20						
N	36	F 5	4051110734302.01	46		-139				-199
N	36	F 5	4051110734302.02	46						
N	37	F 5	4051130734302.01	52		-106				-166
N	38	F 5	4051320734141.01	85	-100	-241				-330
N	39	F 5	4051420734339.01	17						
N	97	C 6	4044480733812.01	114			11			
N	98	C 6	4044460733813.03	114			11			
N	101	D 6	4045210733534.01	108			45			
N	101	D 6	4045210733534.02	108						
N	101	D 6	4045210733534.03	108						
N	102	D 6	4045340733743.01	115			21			
N	103	D 6	4045530733830.01	127			13			
N	103	D 6	4045530733830.02	127						
N	104	D 6	4045570733828.01	136			24			
N	104	D 6	4045570733828.02	136						
N	105	D 6	4046520733727.01	154			10			
N	105	D 6	4046520733727.02	154						

LOCATION OF WELL			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL							
WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 111	D 6	404938073385 2.01	11						
N 152	D 7	404628073341 8.01	141			73			
N 206	D 4	404819073453 3.01	40						
N 209	D 4	404824073454 1.01	20						
N 215	D 4	404951073451 8.01	30		-120				
N 216	D 4	404955073452 4.01	30						-200
N 217	E 4	405002073450 5.01	43	-25					
N 218	D 4	404955073450 2.01	8	-51					
N 263	D 5	404532073422 9.01	171						
N 268	D 5	404605073401 8.01	172			92			
N 270	D 5	404637073441 3.01	18						
N 272	D 5	404700073435 7.01	65						
N 273	D 5	404707073435 3.01	58			-25			
N 284	D 5	404740073405 3.01	155						
N 286	D 5	404806073421 3.01	98						
N 287	D 5	404820073440 9.01	84						
N 290	D 5	404907073435 2.01	25	19	-215				
N 291	D 5	404911073432 1.01	41						
N 296	D 5	404826073431 0.01	80						
N 297	D 5	404852073421 7.01	8						
N 298	D 5	404933073420 5.01	48						
N 300	D 5	404932073415 4.01	100						
N 303	D 5	404945073420 8.01	16	-44					
N 306	D 5	404947073415 3.01	72	4					
N 310	E 5	405008073411 0.01	112						
N 312	E 5	405018073410 2.01	125						
N 314	E 5	405143073433 6.01	60						-190
N 317	E 5	405131073413 0.01	100						
N 318	E 5	405048073401 3.01	8						
N 373	D 6	404625073350 6.01	149			74			
N 374	D 6	404643073350 4.01	205			168			
N 375	D 6	404653073352 0.01	182			162			
N 377	D 6	404722073352 9.01	200			173			
N 381	D 6	404756073364 1.01	300			200			
N 384	D 6	404659073383 7.01	132			32			
N 395	E 6	405019073395 5.01	16						
N 558	D 5	404644073440 0.01	44			-36			
N 578	C 6	404456073391 3.01	112			-18			
N 592	D 6	404713073395 6.01	228						
N 599	D 5	404856073412 3.01	76			-104	-164	-278	

Table 4.--Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

LOCATION OF WELL: WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 631	F 5	4051140734103.01	90						
N 650	D 6	4045330733936.01	108			48			
N 651	D 6	4045340733933.01	105			17			
N 656	D 6	4049400733928.01	20						
N 657	D 6	4049390733926.01	10						
N 658	D 6	4049390733926.02	10						
N 662	D 6	4049400733927.01	11	-52	-187		-274	-335	
N 675	D 5	4049560734208.01	10	-72	-230				
N 687	D 5	4047430734444.01	8	-92	-102			-272	-312
N 687	D 5	4047430734444.02	8						
N 700	D 5	4046420734406.01	50						
N 701	D 5	4047540734158.01	99						
N 703	D 5	4047360734242.01	8						
N 704	D 5	4047350734242.04	8						
N 707	D 5	4047350734242.05	8						
N 708	D 5	4047340734242.01	8						
N 718	D 5	4047360734239.01	8						
N 719	D 5	4047370734238.01	8						
N 720	D 5	4047360734237.01	8						
N 724	D 5	4047290734236.01	8						
N 750	D 6	4045250733532.01	110						
N 819	F 5	4050100734143.01	22						
N 820	F 5	4050090734145.01	19						
N 821	F 5	4050100734146.01	19						
N 822	F 5	4050090734147.01	20						
N 823	F 5	4050100734147.02	19						
N 824	F 5	4050100734143.02	21						
N 825	F 5	4050100734145.01	19						
N 826	F 5	4050100734148.01	18						
N 827	D 6	4045260733532.01	109						
N 828	D 6	4045260733533.01	110						
N 829	D 6	4045260733535.01	110						
N 829	D 6	4045260733535.02	110						
N 845	D 6	4045270733533.01	110						
N 846	D 5	4047340734242.02	8						
N 847	D 5	4047360734240.01	8						
N 848	D 5	4047340734239.01	8						
N 849	D 5	4047350734238.01	8						
N 850	D 5	4047350734236.01	8						
N 851	D 5	4047380734240.01	8						

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 852	D 5	4047340734238.01	8						
N 853	D 5	4047340734237.01	8						
N 854	D 5	4047320734237.01	8						
N 855	D 5	4047330734243.01	8						
N 856	D 5	4047310734241.01	8						
N 857	D 5	4047310734242.01	8						
N 858	D 5	4047310734236.01	8						
N 859	D 5	4047300734237.01	8						
N 860	D 5	4047300734236.01	8						
N 861	D 5	4047290734236.02	8						
N 862	D 5	4047290734234.01	8						
N 863	D 5	4047360734242.02	8						
N 864	D 5	4047330734238.01	8						
N 865	D 5	4047350734238.02	8						
N 866	D 5	4047330734243.02	8						
N 867	D 5	4047300734235.01	8						
N 868	D 5	4047330734238.02	8						
N 869	D 5	4047330734238.03	8						
N 870	D 5	4047330734238.04	8						
N 1031	D 5	4047110734157.01	30						
N 1031	D 5	4047110734157.02	30						
N 1032	D 5	4047110734157.03	30						
N 1033	D 5	4047110734157.04	30						
N 1034	D 5	4047110734157.05	30						
N 1101	D 5	4046500734214.01	50						
N 1101	D 5	4046500734214.02	50						
N 1102	D 5	4046090734216.01	186						
N 1102	D 5	4046090734216.02	184						
N 1103	D 5	4045330734212.01	146						
N 1104	C 5	4044490734200.01	125						
N 1104	C 5	4044490734200.02	125						
N 1105	C 5	4044040734207.01	108						
N 1105A	C 5	4044040734201.01	108						
N 1105A	C 5	4044040734201.02	108						
N 1117	F 5	4051290734053.01	18						
N 1117A	F 5	4051310734058.01	15						
N 1118	F 5	4050400734048.01	152						
N 1118A	F 5	4050480734043.01	147						
N 1119	D 5	4049350734045.01	154						
N 1120	D 5	4048350734040.01	117						

Table 4.--Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
LOCATION OF WELL			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 1120	D 5	4048350734040.02	120						
N 1120	D 5	4048350734040.03	116						
N 1120	D 5	4048350734040.04	116						
N 1121	D 5	4047430734035.01	220						
N 1121	D 5	4047430734035.02	220						
N 1122	D 5	4046450734033.01	179			85			
N 1122	D 5	4046450734033.02	179			75			
N 1123	D 5	4045350734021.01	142						
N 1123	D 5	4045350734021.02	145			68			
N 1123A	D 5	4045390734004.01	124			65			
N 1123A	D 5	4045390734004.02	125			66			
N 1123A	D 5	4045390734004.03	125			66			
N 1124	C 5	4044440734004.01	110						
N 1124	C 5	4044440734004.03	110						
N 1125	C 5	4044100734006.01	94						
N 1125	C 5	4044100734006.02	95						
N 1134	D 6	4047580733903.01	39						
N 1134A	D 6	4047480733857.01	58						
N 1134A	D 6	4047480733857.02	56						
N 1135	D 6	4047070733850.01	144						
N 1135	D 6	4047070733850.02	145						
N 1136	D 6	4046120733833.01	126						
N 1136	D 6	4046120733833.02	125						
N 1136	D 6	4046120733833.03	125						
N 1136	D 6	4046120733833.04	125						
N 1137	D 6	4045380733825.01	107						
N 1137	D 6	4045380733825.02	107						
N 1137	D 6	4045380733825.03	107						
N 1138	D 6	4045010733818.01	104						
N 1138	D 6	4045010733818.02	104						
N 1154	D 6	4048520733736.01	178						
N 1155	D 6	4048000733712.01	261			73			
N 1156	D 6	4047030733702.01	158						
N 1157	D 6	4046190733644.01	170						
N 1158	D 6	4045380733651.01	111						
N 1159	C 6	4044410733624.01	86						
N 1159	C 6	4044410733624.02	90						
N 1177	D 6	4046480733513.01	183			156			
N 1178	D 7	4045390733458.01	120						
N 1178A	D 6	4045390733502.01	119						

WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
	LOCATION OF WELL			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL					
N 1256	D 6	4045370733702.01	112						
N 1256A	D 6	4045370733702.02	112						
N 1291	D 5	4049480734128.01	105	-34	-196			-235	
N 1293	D 6	4047070733732.01	162			22			
N 1298	D 5	4046550734445.01	15			-70	-132	-243	-325
N 1298	D 5	4046550734445.02	15						
N 1300	D 5	4045490734021.01	165			54			
N 1326	D 5	4047220734352.01	96			12			
N 1328	D 5	4047130734105.01	177			55	-234	-356	-566
N 1328	D 5	4047130734105.02	177						
N 1329	D 6	4045250733533.01	110						
N 1332	D 5	4045300734230.01	162			43			
N 1430	D 6	4045160733930.01	107						
N 1430	D 6	4045160733930.02	107						
N 1430A	D 6	4045190733932.01	105						
N 1430A	D 6	4045190733932.02	105						
N 1430A	D 6	4045190733932.03	105						
N 1478	D 5	4048300734446.01	57						
N 1479	D 5	4047580734406.01	59						
N 1480	D 5	4049350734454.01	75						
N 1480	D 5	4049350734454.02	75	-40					
N 1482	F 5	4050190734153.01	11	-46					
N 1483	F 5	4050190734153.02	11	-46					
N 1484	F 5	4050190734153.03	11						
N 1581	D 5	4049480734126.01	108	-50	-212			-256	
N 1612	D 5	4049540734437.01	28						
N 1614	C 6	4044460733929.01	101						
N 1614	C 6	4044460733929.02	101						
N 1614	C 6	4044460733929.03	101						
N 1614	C 6	4044460733929.04	101						
N 1616	D 6	4045540733515.01	123						
N 1616	D 6	4045540733515.02	123						
N 1618	D 5	4046310734215.01	80			-55	-187	-327	-476
N 1618	D 5	4046310734215.02	80						
N 1650	D 5	4048120734125.01	118						
N 1667	D 6	4045240733532.01	108			33			
N 1686	D 5	4047230734349.01	95				-125		
N 1686	D 5	4047230734349.02	95						
N 1687	D 5	4047230734349.03	95				-113		
N 1687	D 5	4047230734349.04	95						

Table 4.--*Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

LOCATION OF WELL			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 1715	D 5	404908073410 9.01	101			-118	-165	-264	-397
N 1715	D 5	4049080734109.02	101						
N 1716	D 5	4049110734111.01	101				-158	-254	-408
N 1716	D 5	4049110734111.02	101						
N 1740	E 5	4050500734327.01	68						
N 1771	D 5	4047430734034.01	212			-149			
N 1771	D 5	4047430734034.02	212						
N 1788	D 5	4047410734025.01	225						
N 1802	D 5	4045120734210.01	132			9	-284	-427	-579
N 1802	D 5	4045120734210.02	132						
N 1804	D 5	4045280734149.01	119			1			
N 1818	D 5	4045310734209.01	141			21			
N 1819	D 5	4045140734150.01	117			9			
N 1819	D 5	4045140734150.02	117						
N 1825	D 6	4047560733732.01	200			82			
N 1835	D 5	4045180734210.01	122			1			
N 1836	D 5	4047500734253.01	34						
N 1841	D 5	4045150734159.01	118			8			
N 1849	D 6	4049380733852.02	10						
N 1850	D 6	4049380733852.03	10						
N 1851	D 6	4049380733852.04	10						
N 1852	D 6	4049380733852.05	10						
N 1853	D 6	4049380733852.06	10						
N 1858	D 5	4045260734136.01	124						
N 1870	D 6	4049110733912.01	20						
N 1871	D 6	4048110733912.02	20						
N 1872	D 6	4048110733912.03	20						
N 1873	D 6	4048110733911.01	20						
N 1874	D 6	4049100733911.01	20						
N 1875	D 6	4049100733912.01	20						
N 1876	D 6	4048100733912.02	20						
N 1877	D 6	4048100733912.03	20				-240	-405	
N 1879	D 5	4046420734405.04	15						
N 1880	D 5	4046420734405.05	15						
N 1881	D 5	4046420734406.02	15						
N 1882	D 5	4046420734405.06	15						
N 1883	D 5	4046420734408.01	15						
N 1884	D 5	4046460734403.01	30						
N 1885	D 5	4046420734408.02	15						
N 1886	D 5	4046470734403.01	30						

LOCATION OF WELL			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 1887	D 5	4046410734409.01	15						
N 1888	D 5	4046410734409.02	15						
N 1889	D 5	4046400734410.01	15						
N 1890	D 5	4046400734410.02	15						
N 1891	D 5	4046390734411.01	15						
N 1892	D 5	4046390734411.02	15						
N 1893	D 5	4046380734413.01	15						
N 1894	D 5	4046380734413.02	10						
N 1895	D 5	4046370734413.02	15						
N 1896	D 5	4046370734414.01	15						
N 1897	D 5	4046420734405.07	15						
N 1898	D 5	4046420734403.01	15						
N 1899	D 5	4046420734406.03	15						
N 1900	D 5	4046420734405.08	15						
N 1901	D 5	4046360734422.01	15						
N 1902	D 5	4046370734418.01	15						
N 1903	D 5	4046370734418.02	15						
N 1904	D 5	4046410734419.01	15						
N 1905	D 5	4046410734419.02	15						
N 1906	D 5	4046380734421.01	15						
N 1907	D 5	4046380734421.02	15						
N 1908	D 5	4046420734405.09	15						
N 1909	D 5	4046360734422.02	15						
N 1926	D 4	4048410734533.01	51	-39				-160	-235
N 1926	D 4	4048410734533.02	51						
N 1938	D 5	4046080734008.01	170						
N 1941	D 6	4049330733948.01	68						
N 1946	E 5	4051040734333.01	57						
N 1958	C 5	4044260734148.01	116			16	-296	-491	-639
N 1966	D 6	4049480733932.01	18						
N 1995	E 5	4050090734150.02	23						
N 1995	E 5	4050090734150.03	23	-37					
N 2002	D 6	4049380733850.01	18			-15	-229	-342	
N 2028	D 5	4047310734007.01	254			59	-237		
N 2028	D 5	4047310734007.02	254						
N 2030	D 5	4049070734109.01	102			-113	-161	-256	
N 2030	D 5	4049070734109.02	102						
N 2035	D 5	4047370734117.01	141			74			
N 2052	D 6	4048290733953.01	159			-34	-208		
N 2052	D 6	4048290733953.02	159						

Table 4.--*Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 2092	D 6	4048290733951.01	158			-35			
N 2101	D 5	4049070734110.01	102						
N 2126	D 5	4046480734215.01	60						
N 2127	D 5	4046480734215.02	60						
N 2128	D 5	4046480734215.03	60						
N 2129	D 5	4046480734215.04	60						
N 2130	D 5	4046480734215.05	60						
N 2131	D 5	4046480734215.06	60						
N 2169	D 5	4046480734215.07	58			-61	-182		
N 2191	D 5	4047410734034.01	215						
N 2201	D 7	4045180733427.01	115			65	-445		
N 2214	D 4	4048260734504.01	47	-21				-173	-243
N 2214	D 4	4048260734504.02	47						
N 2219	C 5	4044540734100.01	125						
N 2236	D 7	4045190733427.01	115			65	-445		
N 2269	D 5	4049160734116.01	110			-125			
N 2399	C 6	4044310733826.01	111						
N 2400	D 6	4047270733804.01	161			61	-316		
N 2400	D 6	4047270733804.02	161						
N 2420	D 5	4047430734032.01	214						
N 2422	C 6	4044410733651.01	93			68			
N 2424	D 6	4049350733849.01	16			11	-218	-353	
N 2487	D 6	4045460733902.01	135			-20			
N 2487	D 6	4045460733902.02	135						
N 2527	C 6	4044430733651.01	94			69			
N 2529	D 7	4045160733434.03	115						
N 2565	C 6	4044340733940.01	107			-2	-373		
N 2565	C 6	4044340733940.02	107						
N 2566	D 5	4045430734047.01	173			38			
N 2567	F 5	4051260734045.01	51						
N 2569	D 6	4048120733907.01	8						
N 2570	D 6	4048110733916.01	51			45			
N 2571	D 6	4048110733914.01	42			6			
N 2576	D 5	4045310734228.01	162						
N 2602	D 7	4045160733434.01	114			88	-442	-623	
N 2602	D 7	4045160733434.02	114						
N 2623	D 5	4045250734218.01	141						
N 2626	C 6	4044380733655.01	92			64			
N 2626	C 6	4044380733655.02	92						
N 2627	C 6	4044390733659.01	91			34			

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 2627	C 6	4044390733659.02	91						
N 2635	D 5	4049430734152.01	40	-60					
N 2747	C 6	4044460733650.01	92			62			
N 2747	C 6	4044460733650.02	92						
N 2748	C 6	4044450733651.01	94						
N 2748	C 6	4044450733651.02	94			64	-449		
N 2748	C 6	4044450733651.03	94						
N 2749	D 5	4047510734403.01	56	-33	-90		-194	-250	-342
N 2749	D 5	4047510734403.02	56						
N 3153	C 6	4044370733646.01	87						
N 3154	C 6	4044430733648.01	91			56			
N 3185	C 6	4044160733847.01	106			-3	-368		
N 3185	C 6	4044160733847.02	106						
N 3311	D 6	4048460733925.01	52	-60	-140				
N 3443	D 5	4048150734345.01	124			-32	-136	-256	-339
N 3443	D 5	4048150734345.02	124						
N 3443	D 5	4048150734345.03	124						
N 3458	D 6	4048580733937.01	52						
N 3477	D 6	4049250733838.01	15						
N 3484	D 6	4045290733514.01	106			77			
N 3493	E 5	4051230734117.01	100						
N 3521	D 5	4048230734148.01	49			-154	-169	-272	
N 3523	D 5	4048140734112.01	201			-138	-199	-336	
N 3523	D 5	4048140734112.02	201						
N 3531	D 6	4045280733514.01	105						
N 3540	D 5	4048230734148.02	50						
N 3669	D 5	4047060734337.01	98						
N 3672	C 5	4044590734021.01	105			-15	-342		
N 3672	C 5	4044590734021.02	105						
N 3673	C 5	4044590734023.01	101			-64	-342		
N 3673	C 5	4044590734023.02	101						
N 3686	D 5	4046070734320.01	192						
N 3699	C 6	4044490733707.01	197			42			
N 3699	C 6	4044490733707.02	197						
N 3700	C 6	4044480733705.01	106			38			
N 3712	E 5	[illegible]	[illegible]						
N 3732	D 6	[illegible]	140			26			
N 3732	D 6	[illegible]	140						
N 3733	D 6	[illegible]	[illegible]			32			
N 3739	D 5	[illegible]	[illegible]						

Table 4.--*Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 3740	D 5	4047070734424.01	91						
N 3742	D 5	4048420734044.01	140			-125			
N 3752	D 6	4048230733805.01	211			2			
N 3758	C 6	4044350733717.01	110			19			
N 3776	D 5	4045150734142.01	118						
N 3801	D 5	4047260734355.01	85			56			
N 3851	D 5	4047270734355.01	82			17			
N 3888	D 5	4049480734126.02	108	-51	-193			-260	
N 3905	D 5	4045440734151.01	134			41	-254	-431	-611
N 3905	D 5	4045440734151.02	134						
N 3911	F 5	4050430734057.01	131						
N 3912	F 5	4050440734055.01	135						
N 4016	D 4	4048210734528.01	56	-18					
N 4082	D 6	4045250733732.01	108						
N 4125	D 6	4048440733931.01	58						
N 4128	D 5	4047330734146.01	137			16			
N 4173	D 5	4045260734158.01	130			12			
N 4206	D 6	4045240733632.01	106			47			
N 4207	D 5	4045170734154.01	120			18			
N 4215	D 6	4046330733759.01	132			36			
N 4223	D 5	4048550734034.01	192			-148	-194	-311	
N 4223	D 5	4048550734034.02	192						
N 4229	D 6	4047190733737.01	169						
N 4243	D 5	4045420734150.01	132			41			
N 4244	F 5	4050200734143.01	38	-42					
N 4265	D 6	4047550733724.01	215			61			
N 4266	D 5	4047530734403.01	57	-36	-77		-155	-233	-348
N 4266	D 5	4047530734403.02	57						
N 4302	D 5	4047180734230.01	123						
N 4327	D 6	4046210733923.01	127			36	-303		
N 4332	D 6	4047560733940.01	189			113			
N 4333	D 6	4047560733940.02	186						
N 4382	D 7	4045220733437.01	114			85			
N 4383	D 7	4045270733354.01	124			82			
N 4388	D 5	4044660734403.02	28			-26			
N 4389	F 5	4050560734109.01	80	-93					
N 4389	F 5	4050560734109.02	80						
N 4390	D 5	4045140734121.01	124			9			
N 4390	D 5	4045140734121.02	124						
N 4390	D 5	4045140734121.03	124						

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
				HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL					
N 4417	D 5	4047410734028.01	219						
N 4417	D 5	4047410734028.02	219						
N 4424	F 5	4051240734047.01	51						
N 4544	D 5	4047430734031.01	216						
N 4596	D 5	4047420734144.01	121						
N 4622	D 5	4049280734420.01	20						
N 4623	D 6	4047220733948.01	257			67	-244		
N 4678	F 5	4050140734234.01	16	-36	-166				
N 4695	D 5	4049240734055.01	150						
N 4697	D 5	4046380734413.03	12						
N 4754	D 4	4048070734506.01	54						
N 4763	F 5	4051230734117.02	100						
N 4772	C 6	4044370733743.01	109						
N 4772	C 6	4044370733743.02	109			30			
N 4859	E 5	4050100734142.01	30	-55	-209				-353
N 4859	F 5	4050100734142.02	30						
N 4860	E 5	4050100734147.01	18	-75					
N 4887	C 6	4044400733646.01	90						
N 4888	C 6	4044390733646.01	89						
N 4889	C 6	4044380733646.01	89						
N 5007	D 7	4045520733420.01	119			105			
N 5074	D 5	4047000734350.01	81			-39			
N 5099	D 5	4046470734235.01	189			-50	-195		
N 5099	D 5	4046470734235.02	189						
N 5110	D 5	4046290734213.01	82			-63	-188		
N 5135	D 5	4047320734304.01	135			101			
N 5208	D 6	4046300733859.01	128						
N 5209	D 5	4049410734030.01	200	-102					
N 5210	D 5	4049410734031.01	200	-119					
N 5228	D 6	4048290733951.02	158			-35			
N 5251	D 5	4048410734129.01	102						
N 5296	D 5	4047110734455.01	10						
N 5296	D 5	4047110734455.02	10						
N 5357	D 5	4049370734420.01	20	-30	-118				-263
N 5528	D 5	4047280734005.01	257			62	-238		
N 5528	D 5	4047280734005.02	257						
N 5530	D 5	4049420734144.01	65	-45	-191			-255	-365
N 5530	D 5	4049420734144.02	65						
N 5535	D 5	4046180734141.01	250			49			
N 5535	D 5	4046180734141.02	250						

Table 4.--Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 5576	D 5	4047230734349.05	95			29	-110		
N 5576	D 5	4047230734349.06	95						
N 5596	C 6	4044530733725.01	106			20			
N 5603	D 5	4045170734023.01	114			55	-303		
N 5603	D 5	4045170734023.02	114						
N 5608	D 6	4045440733720.01	110						
N 5621	D 5	4048570734115.01	100			-117	-169		
N 5654	C 6	4044510733526.01	98			64			
N 5655	D 7	4045410733335.01	130			98			
N 5679	E 6	4050160733954.01	15						
N 5680	D 6	4049010733923.01	47						
N 5708	D 6	4048240733806.01	211			-3			
N 5710	D 5	4045590734155.01	179			59			
N 5743	D 4	4049050734511.01	49						
N 5761	D 5	4047090734343.01	91						
N 5852	D 6	4048080733746.01	235			50	-265		
N 5852	D 6	4048080733746.02	235						
N 5876	D 5	4048580734115.01	100			-118	-168		
N 5876	D 5	4048580734115.02	100						
N 5883	D 6	4048200733814.01	208			6			
N 5884	D 5	4047560734258.01	68			36	-95		
N 5884	D 5	4047560734258.02	68						
N 5895	D 5	4048450734310.01	50	-90					
N 5903	D 5	4048450734355.01	40						
N 5918	D 5	4048570734115.02	100						
N 5947	D 6	4046460733908.01	129			80	-282		
N 5947	D 6	4046460733908.02	129						
N 6003	D 5	4047110734455.02	10						
N 6012	D 4	4049340734510.01	42	-25	-75				
N 6018	D 5	4045140734119.01	120						
N 6023	D 5	4049160734217.01	8						
N 6024	E 6	4050160733954.02	15						
N 6025	D 6	4049090733919.01	11						
N 6026	D 6	4049010733923.02	47						
N 6027	D 6	4048100733912.04	15						
N 6028	D 6	4048100733912.05	21						
N 6029	D 6	4048110733912.04	15						
N 6030	D 6	4049390733926.03	7						
N 6031	E 5	4051100734305.01	28						
N 6032	D 5	4049260734105.01	113						

WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
LOCATION OF WELL			HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 6033	D 5	4049260734107.01	115						
N 6034	D 5	4047430734022.01	210			-17			
N 6035	D 5	4047450734012.01	198			81			
N 6073	D 5	4045110734128.01	120			14			
N 6083	D 5	4047500734446.01	12						
N 6087	F 5	4050100734143.03	20						
N 6088	D 5	4046390734314.01	118						
N 6089	D 5	4049400734049.01	157	-88	-237				
N 6095	F 5	4050250734125.01	111	-78	-268				
N 6116	D 5	4049400734049.02	157						
N 6117	D 5	4049400734049.03	157						
N 6118	F 5	4050250734125.02	111						
N 6119	D 6	4046090733929.01	123			41			
N 6132	F 5	4050060734202.01	8						
N 6134	C 5	4044050734024.01	98						
N 6160	D 6	4049010733923.03	42	-95	-158				
N 6160	D 6	4049010733923.04	42						
N 6202	D 7	4045490733305.01	132			37			
N 6205	C 6	4044250733813.01	107			4			
N 6282	F 5	4051250734207.01	102	-101	-195				-318
N 6282	F 5	4051250734207.02	102						
N 6290	D 5	4049190734159.01	43						
N 6291	D 5	4049160734116.02	110						
N 6292	D 6	4048280733926.01	73						
N 6293	E 5	4050510734145.01	53						
N 6295	D 5	4048330734350.01	54						
N 6315	D 6	4045260733626.01	107			44			
N 6316	E 6	4050140733950.01	17						
N 6320	C 6	4044440733859.01	96						
N 6333	D 6	4049000733754.01	150						
N 6334	C 5	4044540734104.01	128			24			
N 6341	F 5	4051250734207.03	98						
N 6342	E 5	4051250734207.04	97						
N 6346	D 6	4049360733949.01	54	-118	-236				
N 6351	F 5	4050350734124.01	51						
N 6394	D 5	4047460734010.01	190			116			
N 6395	D 5	4047470734010.01	190			115			
N 6460	D 5	4047530734403.03	57						
N 6489	D 5	4048180734405.01	82						
N 6691	D 6	4046460733657.01	145			42			

Table 4.--*Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL: PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 6692	F 5	4051230734124.01	112						
N 6717	F 4	4050060734504.01	42	-12	-70				
N 6721	D 6	4046570733819.01	148			30			
N 6730	D 5	4048380734151.01	28						
N 6738	D 6	4046550733818.01	152						
N 6754	D 5	4048370734151.01	31						
N 6760	C 6	4044150733936.01	91						
N 6766	F 5	4050220734046.01	189						
N 6812	D 6	4046040733601.01	123						
N 6819	D 7	4045370733335.01	130			108			
N 6845	F 6	4050160733953.01	18						
N 6858	F 5	4051190734121.01	109	-89	-228				
N 6859	F 5	4051310734245.01	71						
N 6865	C 5	4044330734025.01	87			11			
N 6907	D 6	4046360733641.01	138			55			
N 6918	C 5	4044330734027.01	87			2			
N 6925	D 5	4047500734446.02	11	-55	-91		-170	-190	
N 6945	D 5	4045470734011.01	154			81	-343		
N 6945	D 5	4045470734011.02	154						
N 6969	F 5	4051260734051.01	24						
N 6972	D 5	4047060734400.01	78			-26			
N 7007	D 5	4048020734342.01	114						
N 7053	D 5	4046280734058.01	209			72			
N 7087	D 5	4047060734337.02	98			-13			
N 7088	C 5	4044120734023.01	100						
N 7104	D 6	4048320733722.01	158			68	-272		
N 7104	D 6	4048320733722.02	158						
N 7126	D 5	4046520734007.01	193			113			
N 7126	D 5	4046520734007.02	193						
N 7157	F 5	4050580734111.01	122	-85					
N 7162	D 5	4048020734342.02	114						
N 7186	C 6	4044410733650.01	92			58			
N 7216	D 5	4047450734247.01	16			-101			
N 7244	F 6	4050180733953.01	12	-96	-222				
N 7258	D 5	4047090734337.02	99						
N 7334	D 5	4045140734121.04	120			15	-340		
N 7334	D 5	4045140734121.05	120						
N 7334	D 5	4045140734121.06	120						
N 7336	D 6	4046510733647.01	144			41			
N 7353	D 7	4045520733416.01	120			87			

WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
	LOCATION OF WELL		HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL						
N 7353	D 7	4045520733416.02	120						
N 7376	C 5	4044570734025.01	96						
N 7386	D 6	4046150733646.01	183						
N 7399	D 5	4046520734226.01	126			-64			
N 7425	D 5	4048180734407.01	82						
N 7445	D 5	4045140734121.07	120			16	-328		
N 7454	D 6	4046280733717.01	138						
N 7470	D 7	4045220733409.01	100			95			
N 7512	D 5	4045360734103.01	123			27			
N 7513	D 6	4046520733727.03	154			4			
N 7524	C 6	4044250733805.01	106			33			
N 7551	D 6	4046560733946.01	162			79	-248	-418	
N 7551	D 6	4046560733946.02	162						
N 7552	D 6	4046490733944.01	143			101	-254		
N 7552	D 6	4046490733944.02	143						
N 7553	D 6	4046520733946.01	153			111	-261		
N 7553	D 6	4046520733946.02	153						
N 7554	D 6	4047050733949.01	190			99	-253		
N 7554	D 6	4047050733949.02	190						
N 7560	D 5	4045070734202.01	150			38			
N 7578	E 5	4050410734013.01	39						
N 7581	D 6	4046400733814.01	123			31			
N 7613	D 4	4048140734518.01	38	-7				-147	
N 7651	D 5	4046110734010.03	162			28	-284		
N 7651	D 5	4046110734010.04	162						
N 7666	D 5	4046110734010.01	162			28	-284		
N 7666	D 5	4046110734010.02	162						
N 7670	D 6	4045370733718.01	100						
N 7671	D 6	4047330733607.01	189						
N 7673	D 6	4045190733707.01	95						
N 7731	D 5	4046120734006.01	167			78			
N 7732	D 7	4045170733339.01	121			73			
N 7747	D 5	4047360734242.03	15						
N 7748	D 5	4047350734242.06	15						
N 7749	D 5	4047350734242.07	15						
N 7750	D 5	4047340734242.03	15						
N 7751	D 5	4047340734242.04	15						
N 7752	D 5	4047360734240.02	15						
N 7753	D 5	4047360734239.02	15						
N 7754	D 5	4047370734238.02	15						

Table 4.--*Hydrogeologic correlations of selected wells and test holes in Town of North Hempstead, Nassau County, New York* (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
N 8558	D 6	4046310733832.01	142			7	-351		
N 8558	D 6	4046310733832.02	142						
N 8564	D 5	4046380734124.01	148			42			
N 8565	D 5	4045310734126.02	130			35			
N 8566	D 5	4045310734126.03	130			36			
N 8567	D 5	4045310734126.04	130			38			
N 8568	D 5	4045310734126.05	130			34			
N 8569	D 6	4047480733955.01	195			125	-241	-393	
N 8576	C 6	4044530733834.01	112			-2	-437		
N 8576	C 6	4044530733834.02	112						
N 8584	C 5	4044430734044.01	109						
N 8585	C 5	4044430734044.02	111						
N 8594	D 5	4047520734411.01	71						
N 8601	D 7	4045050733454.01	104			52			
N 8608	D 6	4049170733924.02	27	-173	-184		-273	-347	
N 8623	C 6	4044300733939.01	105						
N 8624	F 6	4050110733948.01	15	-151	-227		-331	-340	
N 8678	D 5	4046000734124.01	183			100	-271		
N 8694	C 5	4044100734003.01	96						
N 8707	F 5	4051250734043.01	54						
N 8761	D 5	4048420734044.02	140			-131			
N 8766	F 5	4051240734210.01	98	-108	-203				
N 8766	F 5	4051240734210.02	98						
N 8790	D 5	4048560734123.02	76			-98	-161	-266	
N 8799	D 6	4045390733742.01	111			21			
N 8799	D 6	4045390733742.02	111						
N 8801	D 5	4045270734222.01	147			41			
N 8803	D 5	4045250734225.01	146			40			
N 8819	D 6	4047010733530.01	163						
N 8821	D 5	4045320734154.01	133			18			
N 8840	D 5	4045320734151.01	122			22			
N 8877	D 5	4047300734231.01	12						
N 8879	D 5	4048530734210.01	10						
N 8879	D 5	4048530734210.02	10						
N 8885	D 6	4047400733608.01	196			106			
N 8890	F 5	4051120734236.01	65	-86					
N 8890	F 5	4051120734236.02	65						
N 8891	F 5	4050470734314.01	60						
N 8929	F 5	4051440734329.01	51						
N 8933	D 5	4047230734435.01	32	-48	-98				

WELL NUMBER	MAP COORD	LATITUDE AND LONGITUDE	UPPER GLACIAL AQUIFER	PORT WASHINGTON CONFINING UNIT	PORT WASHINGTON AQUIFER	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK
				HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF TOP OF UNIT IN FEET ABOVE OR BELOW (-) MSL					
N 8964	D 5	4046350734356.01	47			-143	-173		
N 8964	D 5	4046350734356.02	47						
N 8970	D 5	4046060734341.01	154						
N 8994	F 5	4051530734206.01	21	-64	-194				-286
N 8996	F 5	4051280734201.01	82	-78	-218				-305
N 9005	D 6	4048570733958.01	53						
N 9006	D 6	4048570733958.02	52						
N 9007	D 5	4048590734017.01	54						
N 9008	D 5	4048590734017.02	54						
N 9019	D 6	4048530733959.01	46	-92	-144	-156	-223	-326	
N 9045	F 5	4051280734200.01	85	-80					
N 9062	D 7	4045270733354.02	124			79			
N 9080	C 5	4044130734106.01	107						
N 9098	D 5	4048280734445.01	59						
N 9099	D 5	4047570734404.01	60						
N 9110	D 5	4046400734410.03	15			-90	-174	-281	
N 9111	D 5	4046420734405.11	15						
N 9116	F 5	4051310734058.02	15						
N 9118	F 5	4051440734329.02	51						
N 9134	D 5	4046380734426.01	8						
N 9135	D 5	4046380734426.02	8						
N 9136	D 5	4046400734428.01	8						
N 9137	D 5	4046430734429.01	8						
N 9138	D 5	4046370734430.01	11						
N 9139	D 5	4046360734427.01	10						
N 9140	D 5	4046370734430.02	11						
N 9141	D 5	4046360734427.02	10						
N 9142	D 5	4046430734429.02	8						
N 9143	D 5	4046400734433.01	11						
N 9144	D 5	4046400734433.02	11						
N 9145	D 5	4046450734433.01	8						
N 9146	D 5	4046450734433.02	8						
N 9147	D 5	4046410734435.01	11						
N 9148	D 5	4046410734435.02	11						
N 9171	C 6	4044460733813.01	114						
N 9172	C 6	4044460733813.02	114						
N 9208	D 5	4049010734430.02	18	-34					
N 9208	D 5	4049010734430.03	18						
N 9260	D 4	4048250734504.01	47	11					
N 9271	D 4	4048400734535.01	50						